

Fig. 2

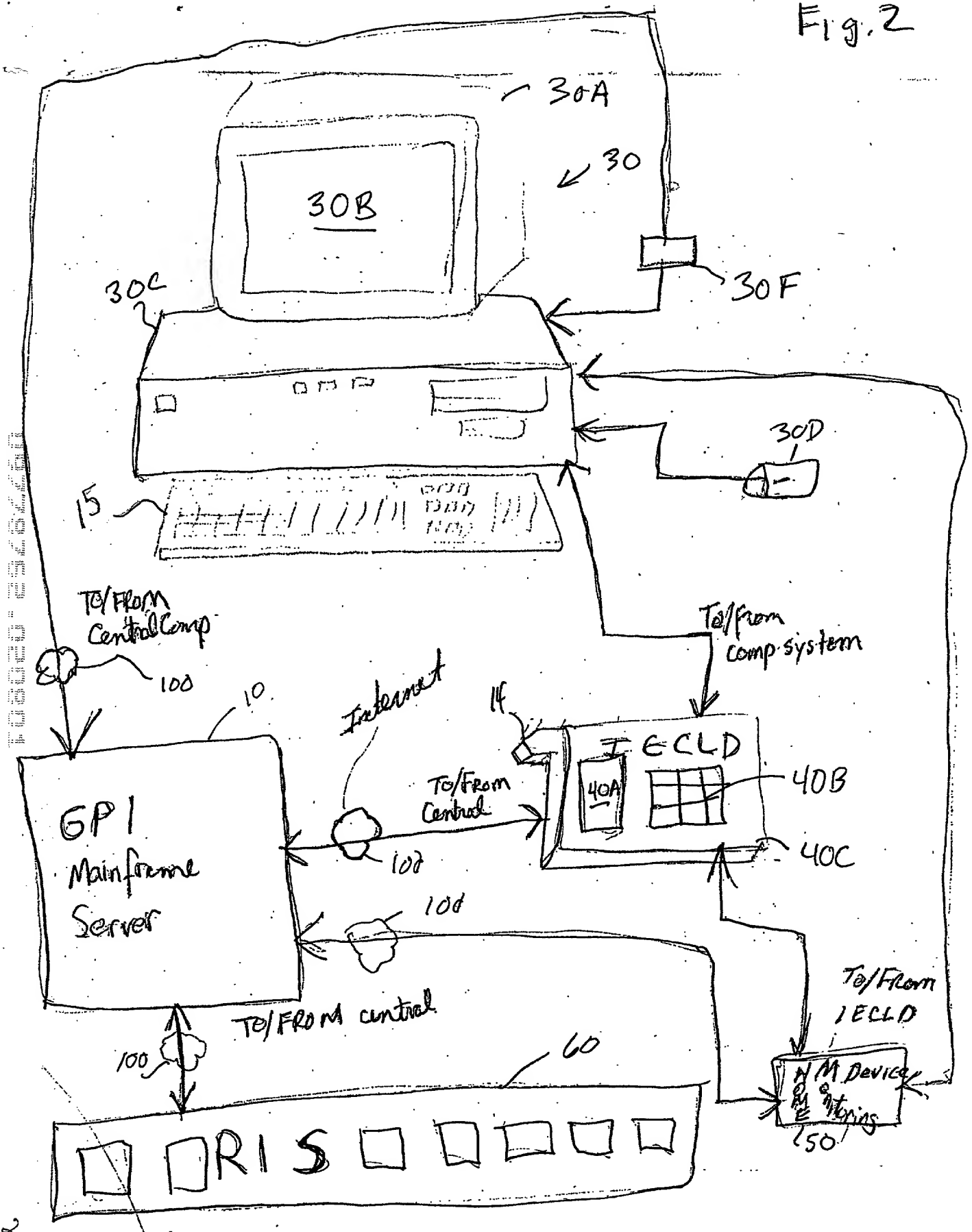
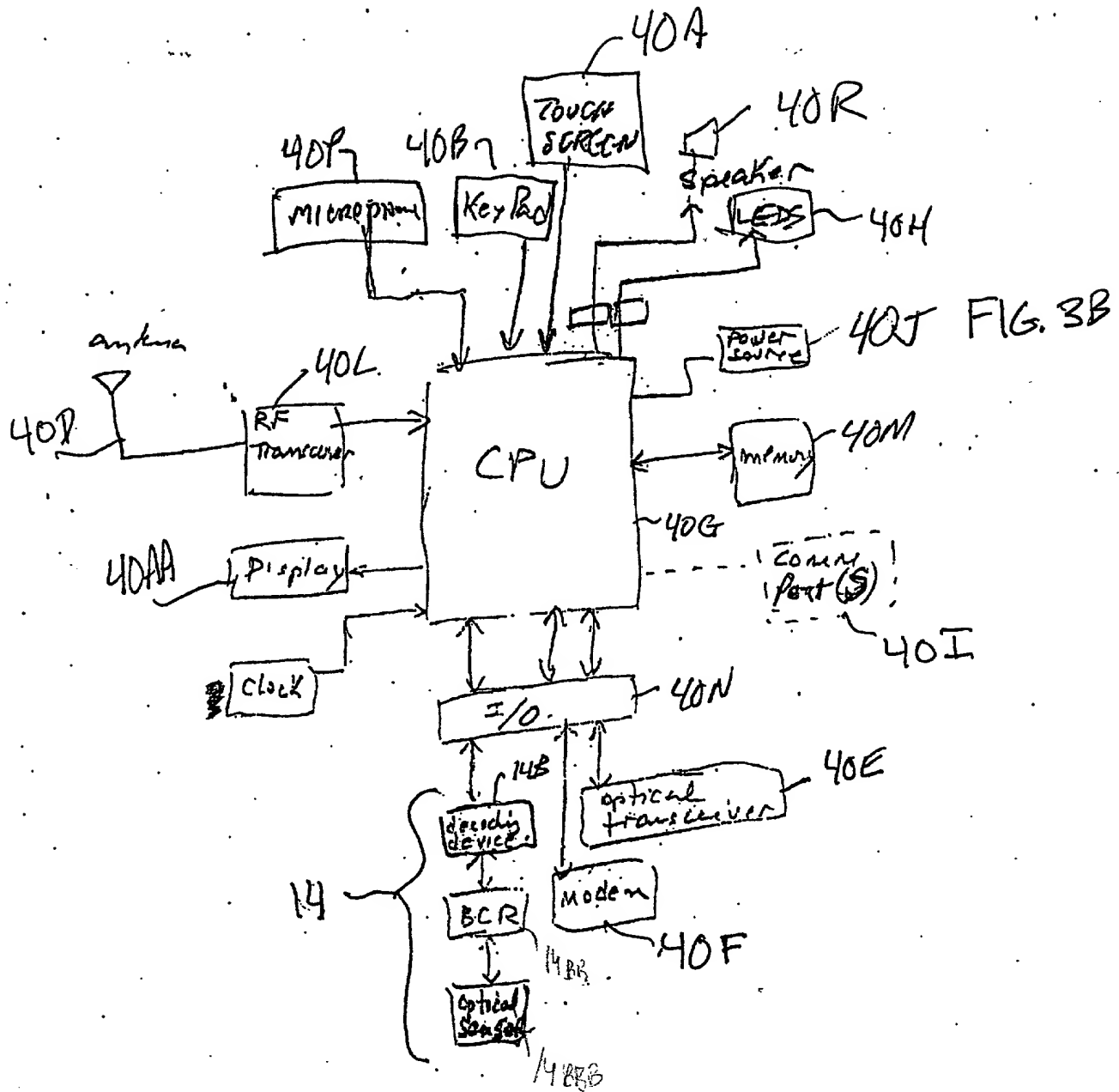


FIG. 3A



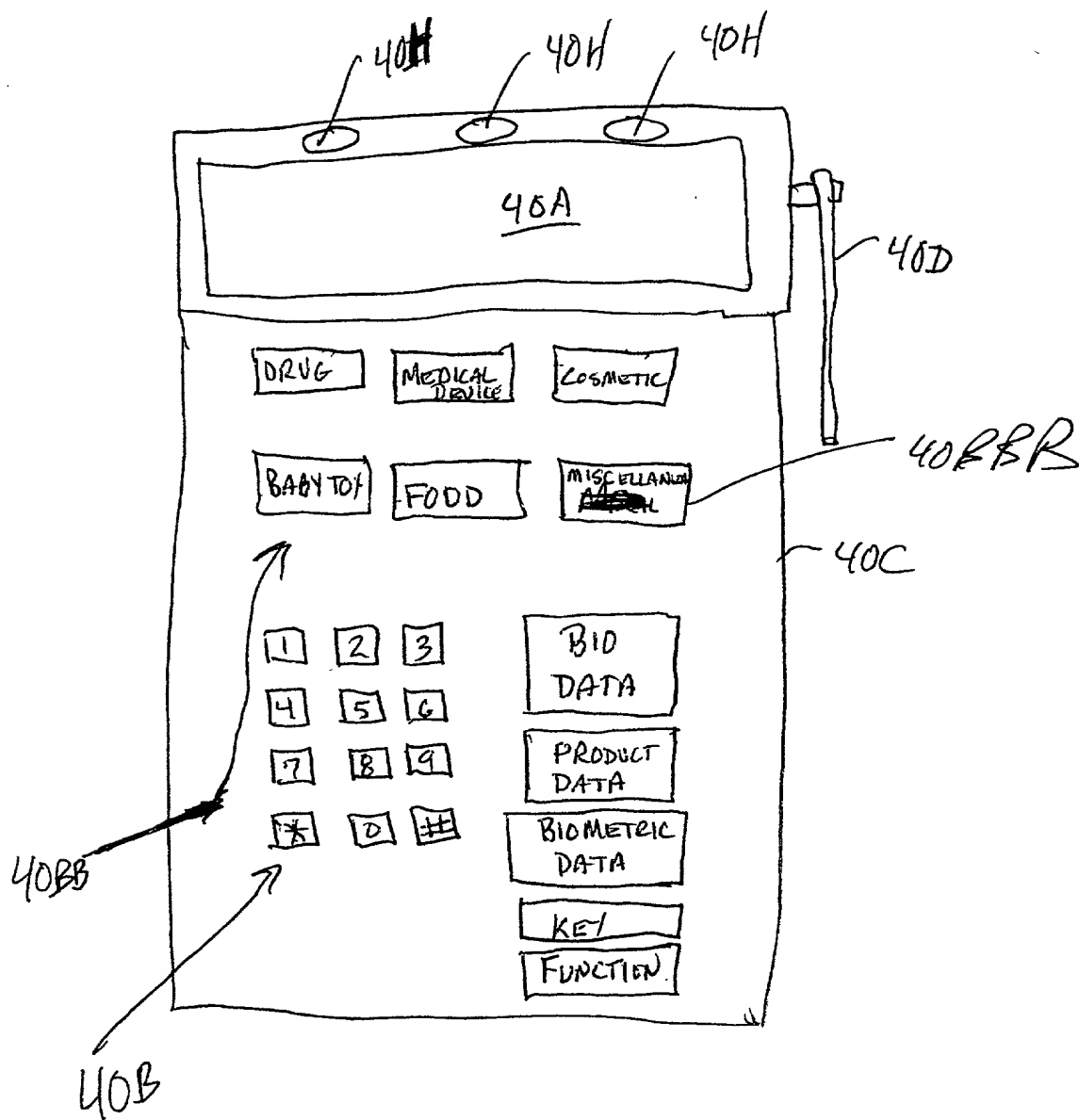
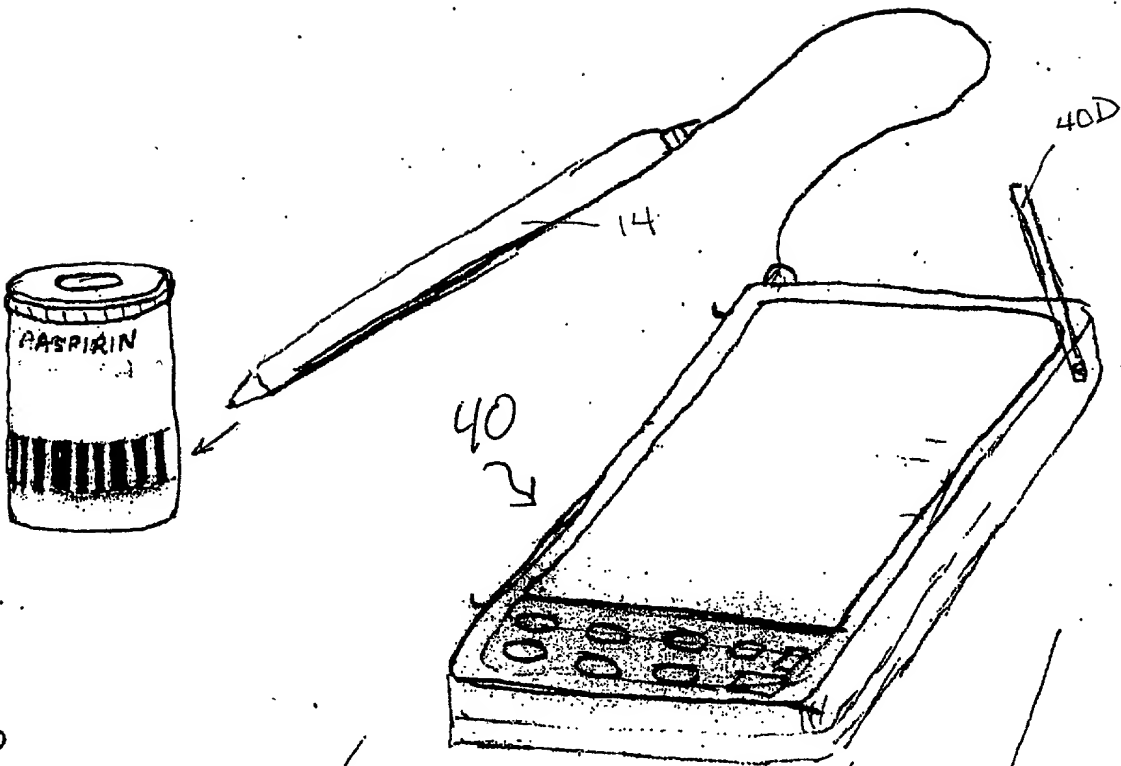
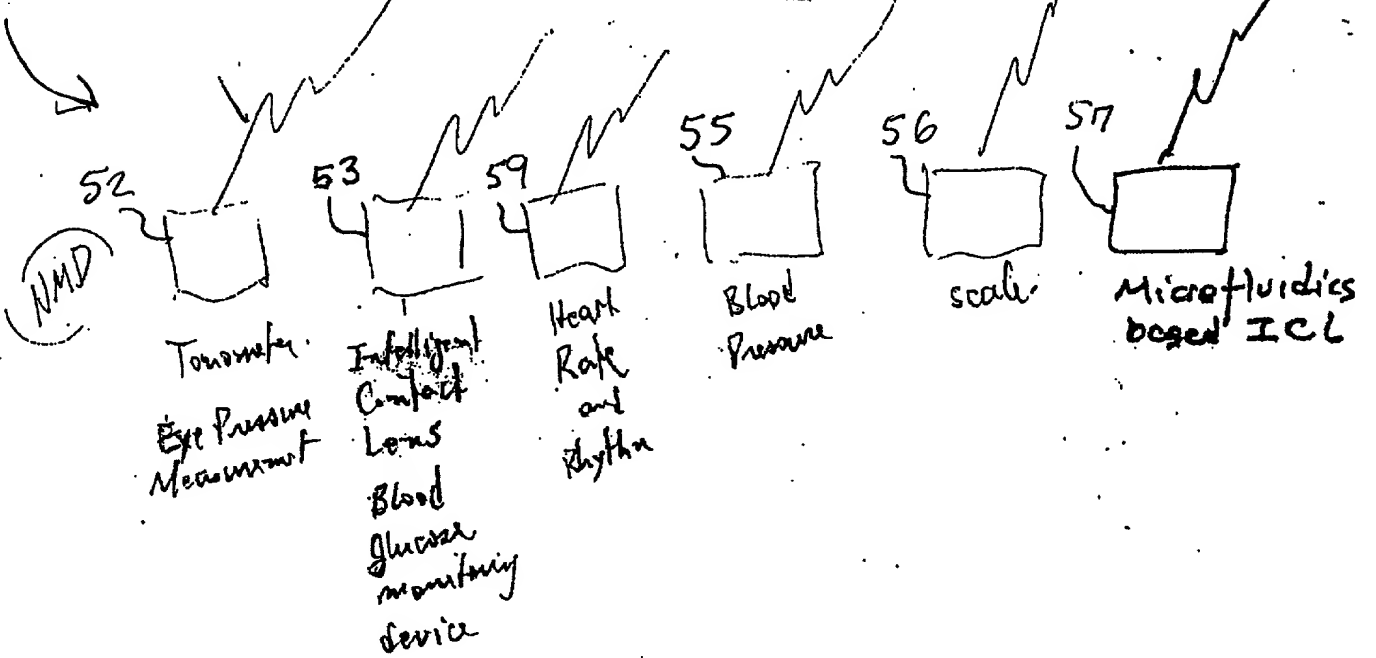


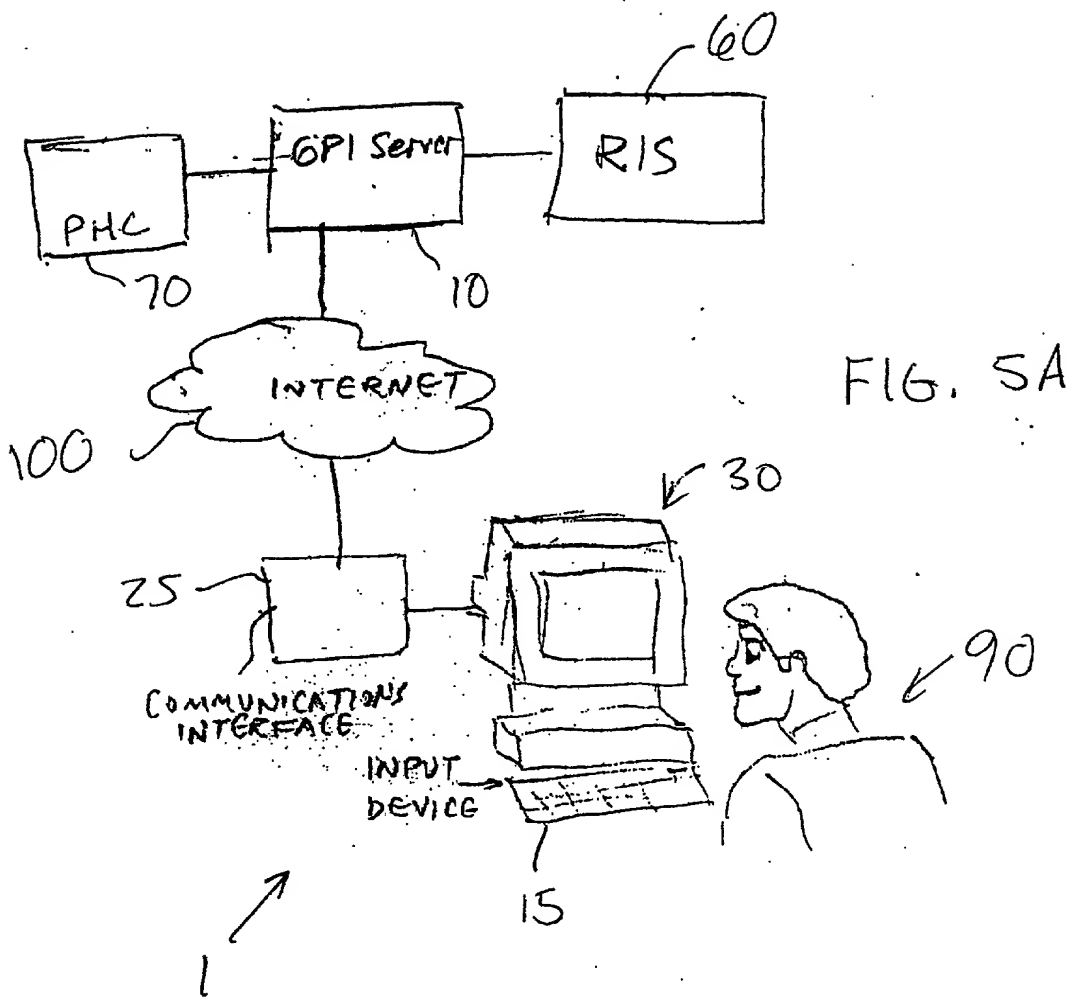
FIG. 3C

FIG 4



50





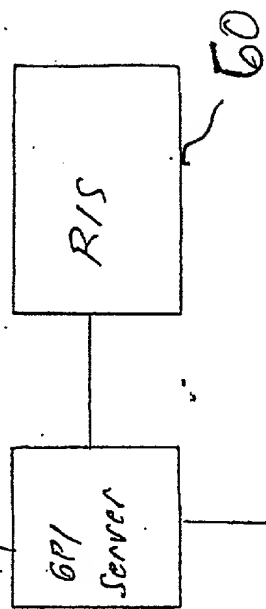
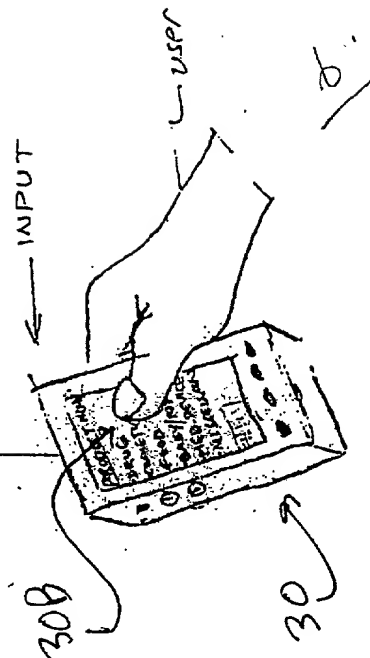
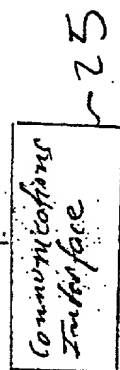


FIG. 5B



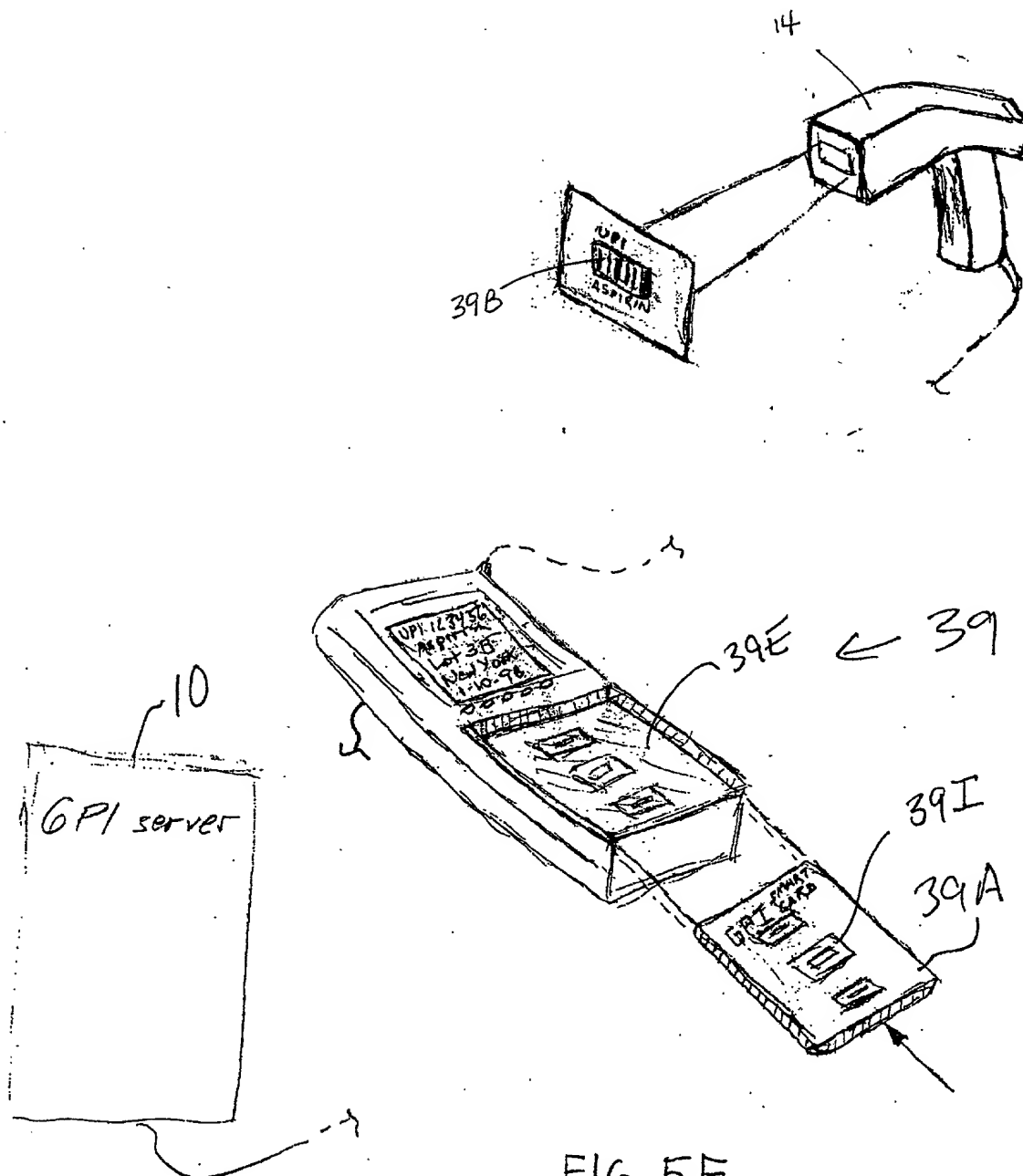
[illegible]

FIG. 5F

FIG. 5K

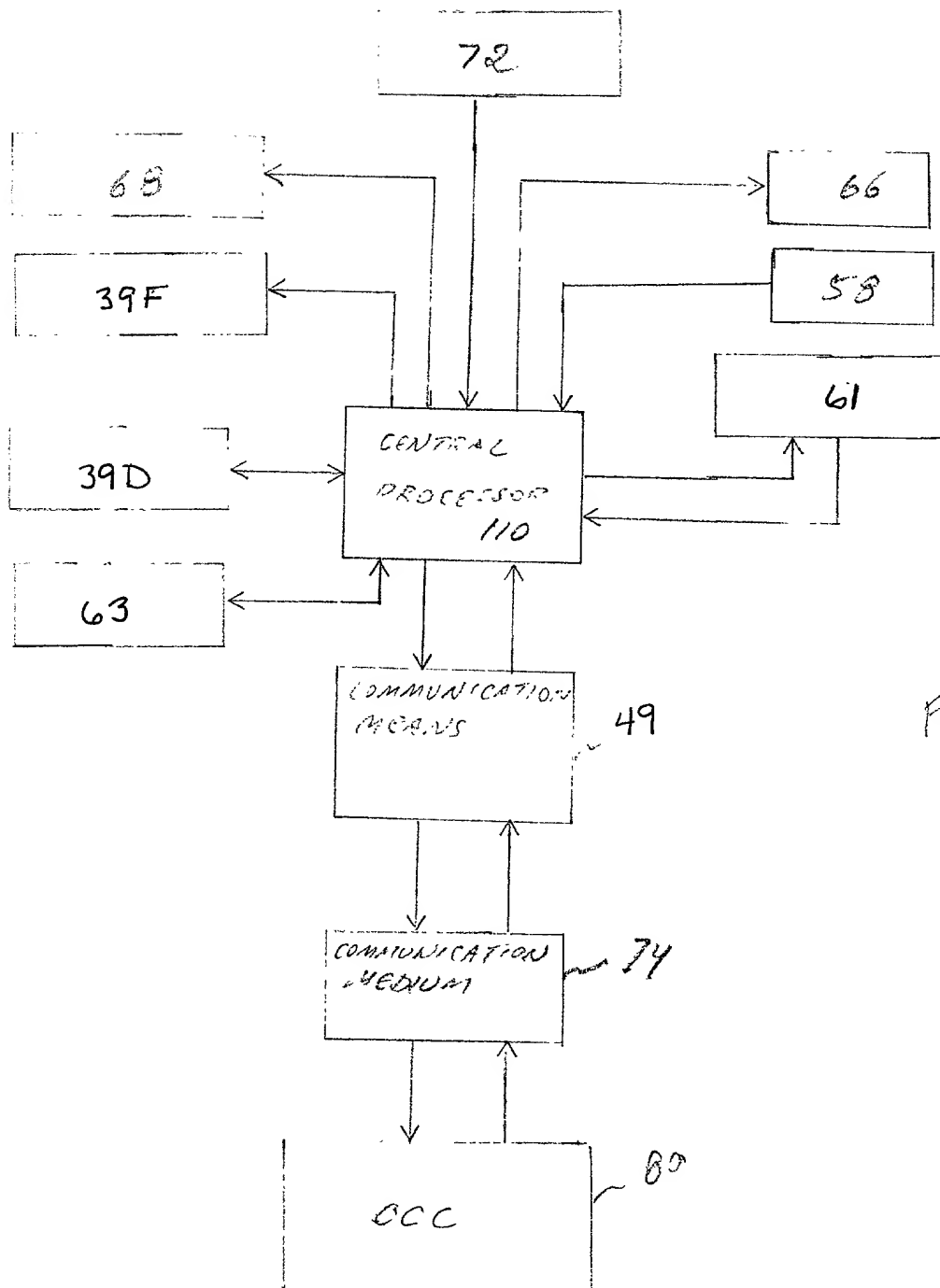
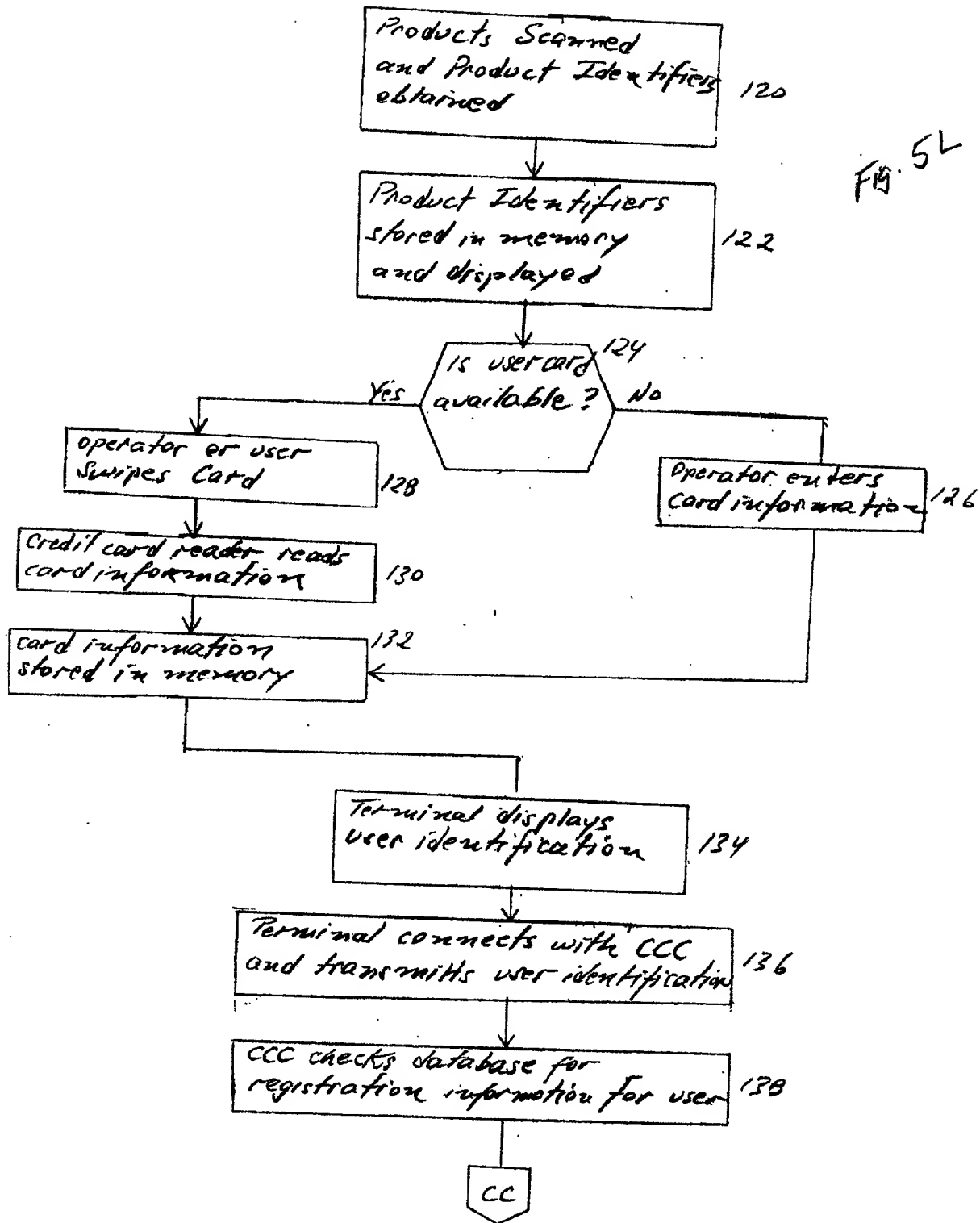


Fig 5K

09779762:020904



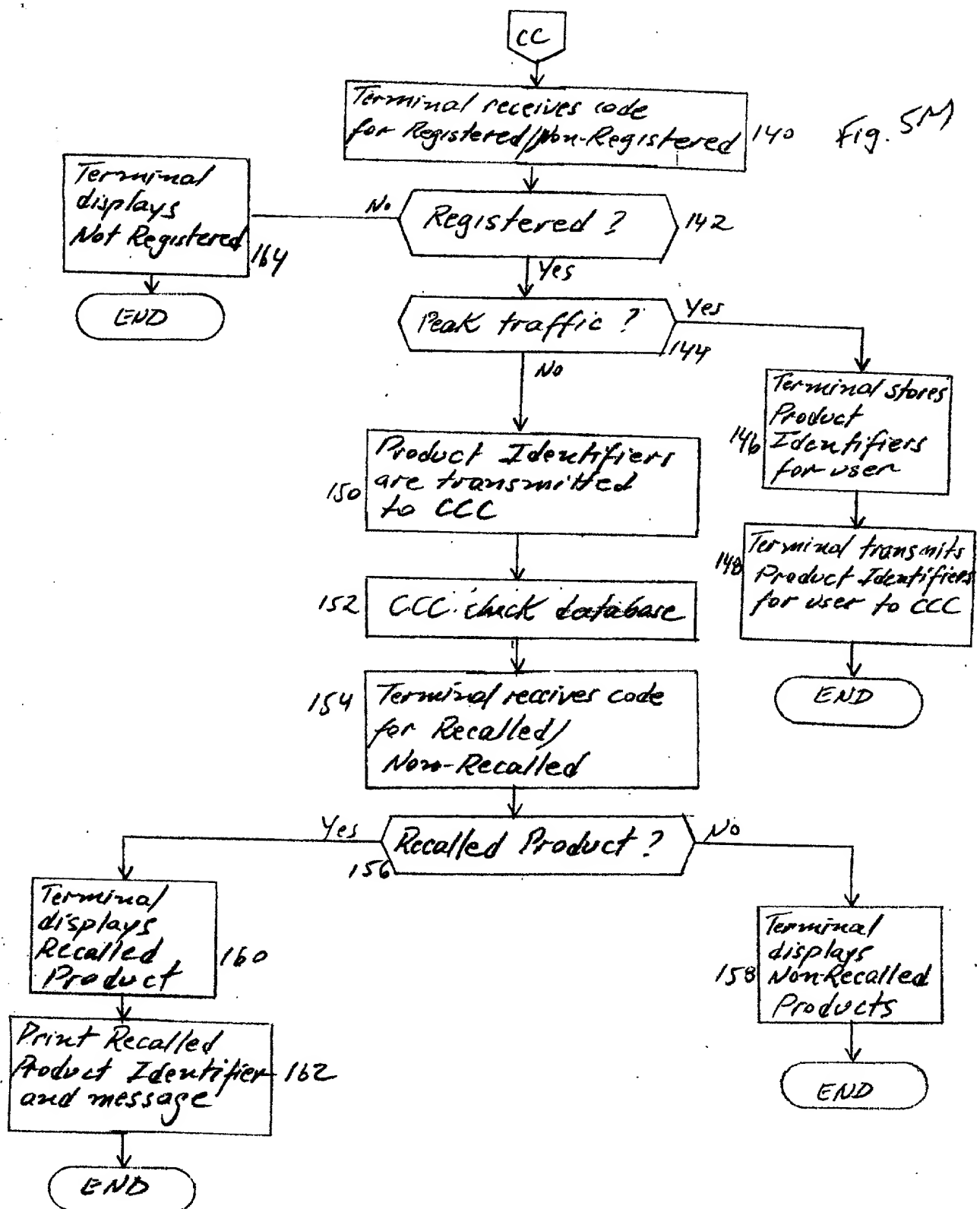


Fig 5N

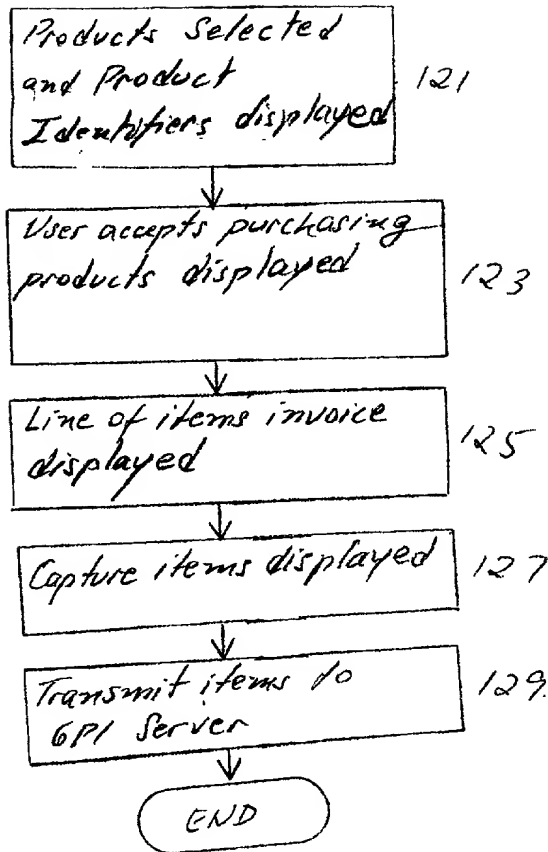


Fig 5P

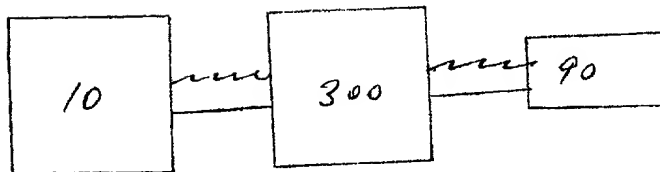


Fig 5Q

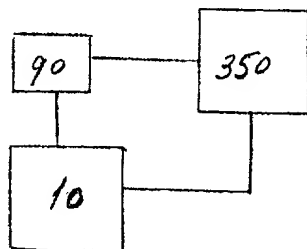


Fig 6

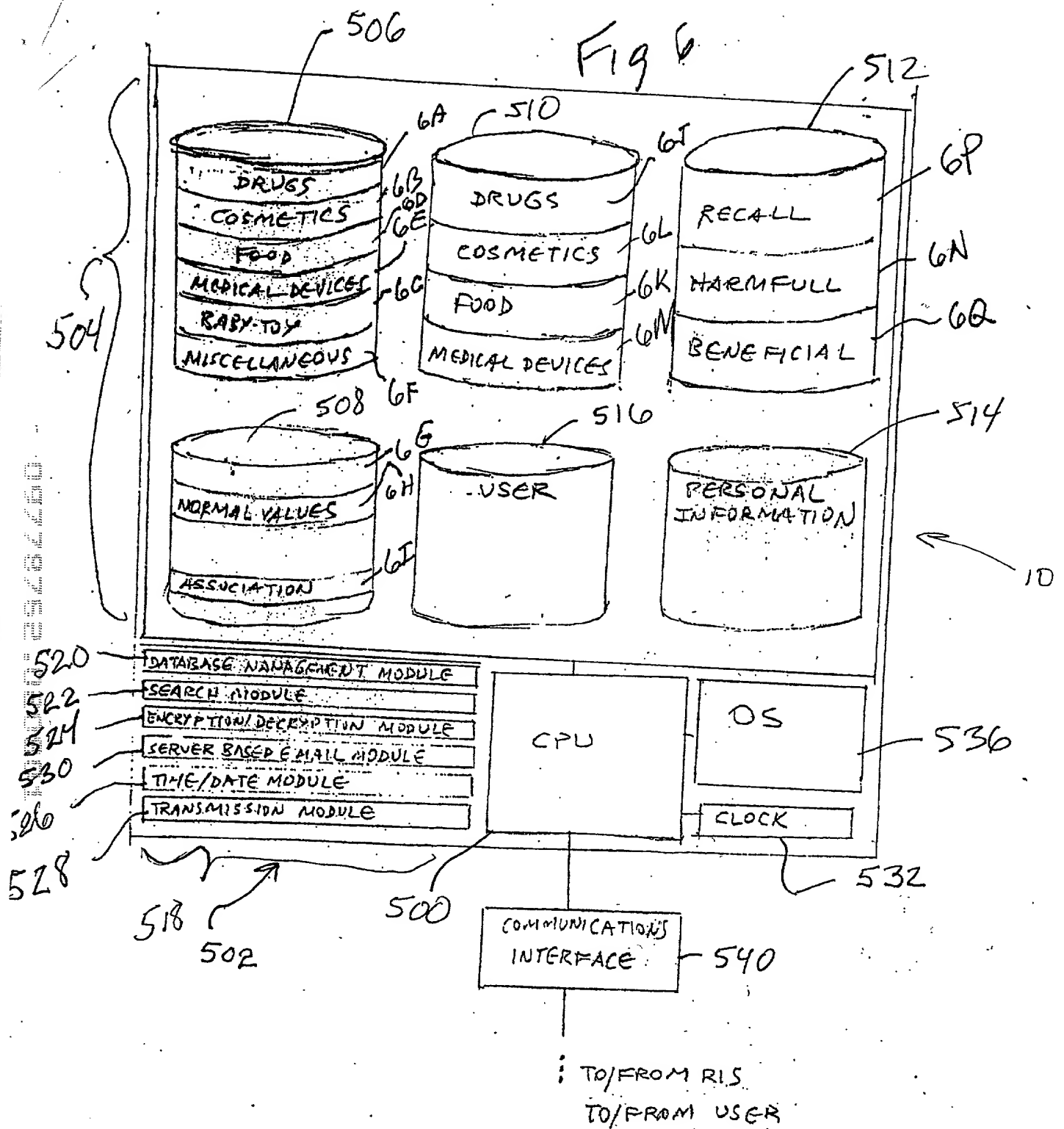


FIG. 7

7A

Welcome to GP1 - FREE Web-based Info

New Users
Register here

About GP1

Registered Users

Login name
[]

Password
[]

[]

Why to sign up?
Who should sign up?
Contact us
Policy
Additional Services

If you are not registered but want to know about any warnings or recalls Click here

7B

GP1 - Products: Alert and Recall

Products Used: for Mr. XYZ@GP1.org

☐ Drugs (D1) prescription
☐ Drugs (D2) OTC
☐ Med. devices (M)
☐ Food (F)
☐ Cosmetics (C)
☐ Toy/Baby Products (B)
☐ Miscellaneous (Mi)

| Product | Information |
|----------------------|---------------|
| D1 - Dexfenfluramine | Recall |
| D1 - Lorazepam | Warning |
| D2 - Laxative | Recall |
| C - Shampoo | Recall |
| M - Prosthesis | Warning level |
| F - Canned Soup | Recall |
| B - Crib | Recall |
| Mi - Hair Dryer | Warning |
| D2 - Verapamil | Recall |

BIOLOGICAL VARIABLES

7D

BIOLOGICAL VARIABLES Mr. XYZ

Blood Pressure: 140/90 Levels: average last 4 weeks

Eye Pressure: Right: 27 Left: 20

Temperature: 98.6 F

Weight: 200 lbs

Blood Sugar: 170

Cholesterol: 230

☐ Interaction with drugs

☐ Interaction with medical device

☐ Interaction with food

☐ Interaction with cosmetics

Search 7C

Search Product: Dexfenfluramine

☐ Drugs - Prescription (D1)
☐ Drugs - OTC (D2)
☐ Cosmetics (C)
☐ Food (F)
☐ Toy/Baby Products (B)
☐ Medical Devices (M)
☐ Miscellaneous (Mi)
 Mi E: electronics
 Mi A: automotive
 Mi H: household

7E

RECALL INFO

On September 15th, 1997, the FDA requested that the manufacturer of Dexfenfluramine, the WA Pharmaceutical Co. voluntarily remove the above drug from the market. The removal from the market is based on findings indicating that patients taking this drug developed heart valvular disease, which may cause heart failure and put patients at risk for bacterial endocarditis. Unfortunately, some patients with heart failure who underwent surgical correction of the valvular damage died. Anyone on the drug should stop using it at once, should see a doctor and should consider an echocardiogram...

More on what precautions to take.

Appetite Suppressants. Get more info

For doctor's appointment. Click here

For echocardiogram. Click here

For insurance information. Click here

If you are registered user please check your e-mail "GP1 appointment" for the appointments already scheduled and insurance approval obtained. Click here

For Support Groups. Click here

F16.8A

USER'S PERSONAL INFORMATION DB

| | | | | | | | | | | | | | | | | | | | | | | |
|--------------|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|
| Username X → | 710 | A | 711 | B | 712 | C | 713 | D | 714 | E | 715 | F | 716 | G | 717 | H | 718 | I | 719 | J | 720 | K |
| Username Y → | 702 | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |

730

PRODUCT DB

| | | | | |
|-----|-----|----|-----|----|
| UPI | 731 | UN | 733 | UN |
| UPI | 732 | UN | 734 | UN |
| UPI | 735 | UN | 736 | UN |
| UPI | 737 | UN | 738 | UN |
| UPI | 739 | UN | 740 | UN |

740

USER'S PRODUCT USAGE DB

| | | | | | | | | | |
|----|-----|------------------|-----|------|-----|------|-----|-------|-----|
| UN | 741 | Mr ABC @ GPL.org | 742 | 0050 | 746 | 1234 | 747 | 56789 | 748 |
| UN | 743 | Mr ABC @ GPL.org | 744 | 0031 | 749 | 0031 | 750 | UPI | 751 |
| UN | 745 | Dr DEF @ IBM.com | 746 | UPI | 752 | UPI | 753 | UPI | 754 |
| UN | 747 | Dr GHI @ JKL.gov | 748 | UPI | 755 | UPI | 756 | UPI | 757 |

750

DISEASE ASSOCIATION DB

| | | | | |
|----------------------|----------------------|-------------------|-------------------|--------------------|
| EXPERT SYSTEM | 751 | BV | 752 | ID |
| 753 Blood pressure ↑ | 754 Blood pressure ↓ | 755 Blood sugar ↑ | 756 Blood sugar ↓ | 757 Eye pressure ↑ |
| | | | | Glaucoma |

760 PRODUCT INFORMATION D.B.

761

UPI GI

762 C 0031 →

763

| 764 | 765 | 766 | 767 |
|-----|-----|------------------|------------------|
| CI | HD | DAR ₉ | LAR ₉ |
| | | | |
| | | | |

768

PI

FLG, 8B

769 0041

:

| 830 | 833 | 834 | 835 | 836 |
|------------|-----|-----|------------------|------------------|
| UPI | WM | HD | DAR ₉ | LAR ₉ |
| 831-dry M | | | | |
| 832 food F | | | | |

770

BIOLOGICAL VARIABLES D.B.

771

UN

772 Mr ABC @ CPl.org →

774

PAR.

777 Eye Pressure

778 Glucose

779 Liver Enzymes

780 Triglycerides

781 Weight

775

VA

776

DA

most recent

least recent

773

Mr ABC @ CPl.org →

File
80

TABLE 236600

790

ALERT DB

791

UPI

792 0051 →

794

795

A.I

HD

796

AL

797

CI

798

HD

799

DAR

800

LAR

801

PIE

802

Name

803

Is R

804

Message Dir

805

UPI

806

WM

807

HD

808

DAR

809

LAR

810

drug A

811

drug B

812

food E

813

cosmetic X

793 0022 →

794

795

796

797

798

799

800

801

802

803

804

805

806

807

808

809

810

811

812

813

00778753-0004

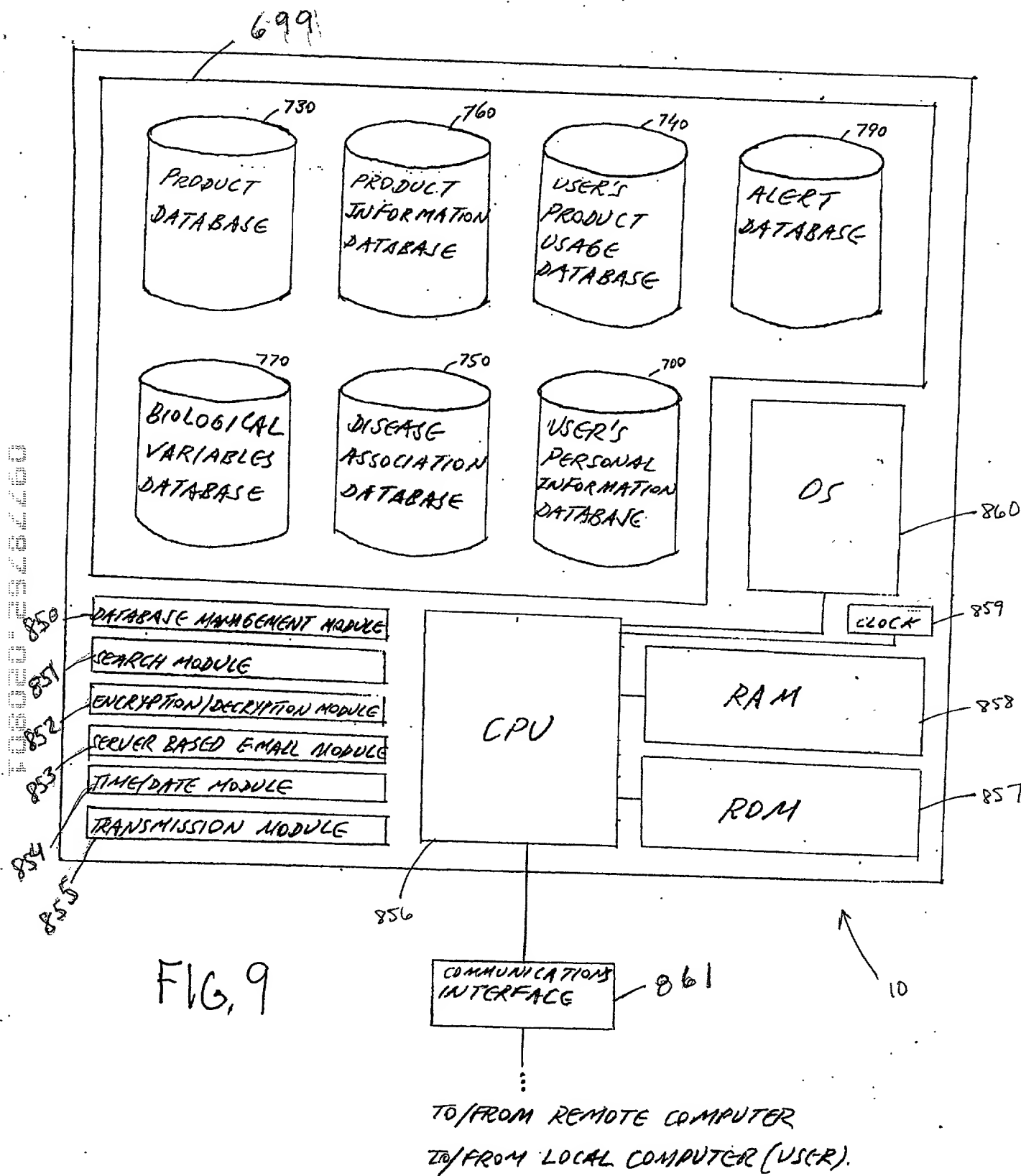


FIG. 9

START

900 PROMPT USERNAME IN
PORTABLE UNIT

910 PROMPT USER PASSWORD

920
Stored
Password

930
P
P = SP?
Yes
No

940
SOUND
Alarm

950
Display
"Invalid
password"

952
SELECT FUNCTION

954
Enter
Biometric
Data

AE

956
Acquire
Key

AF

953
Enter
Product
Identifier

A

960
Remove
Product
Identifier

AG

962
Enter
Biological
Variable

965
Acquire
Biological
Variable

970
last
Biological
Variable?

965
Connect
with
Central
Server

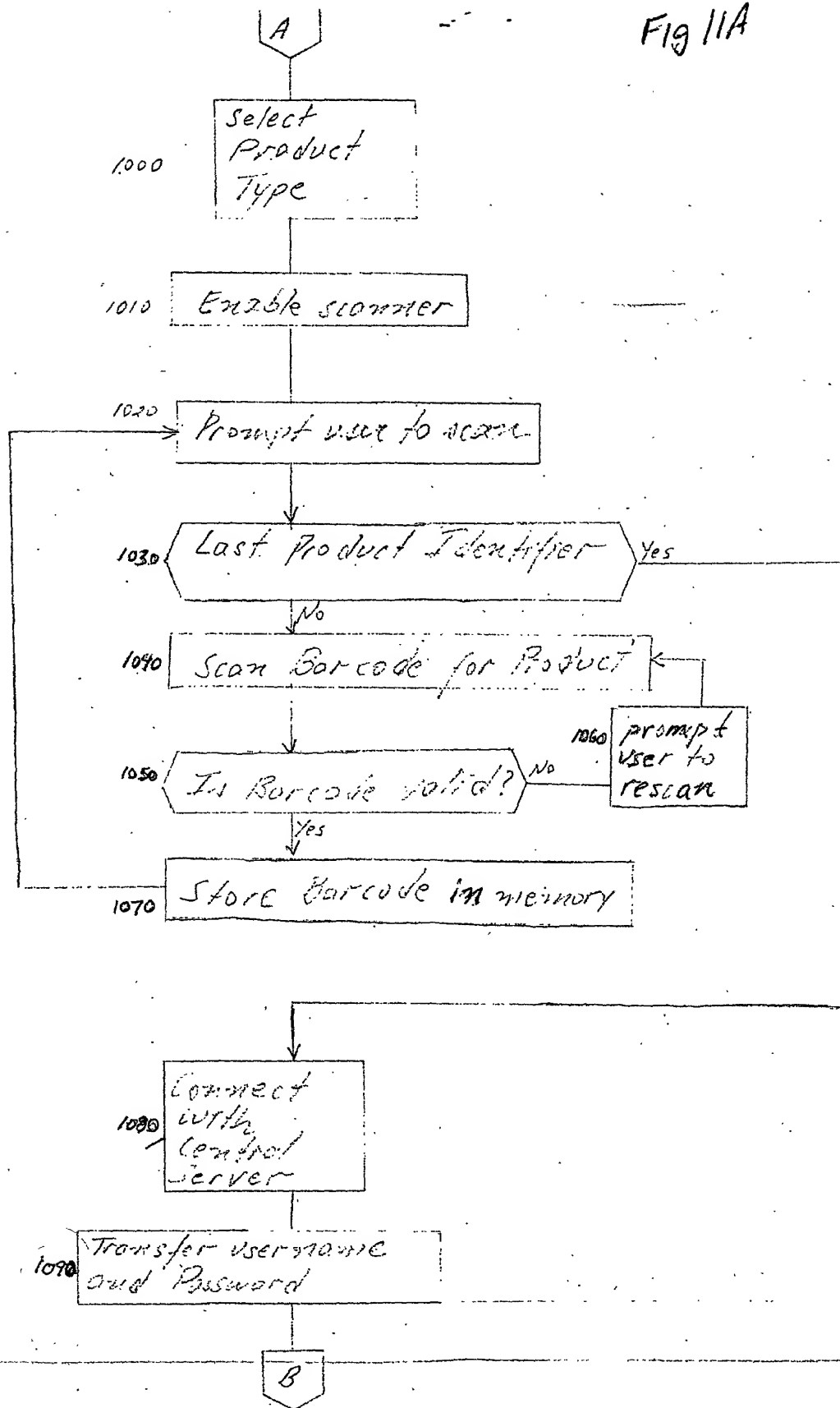
R

975
Select
Biological
Variable

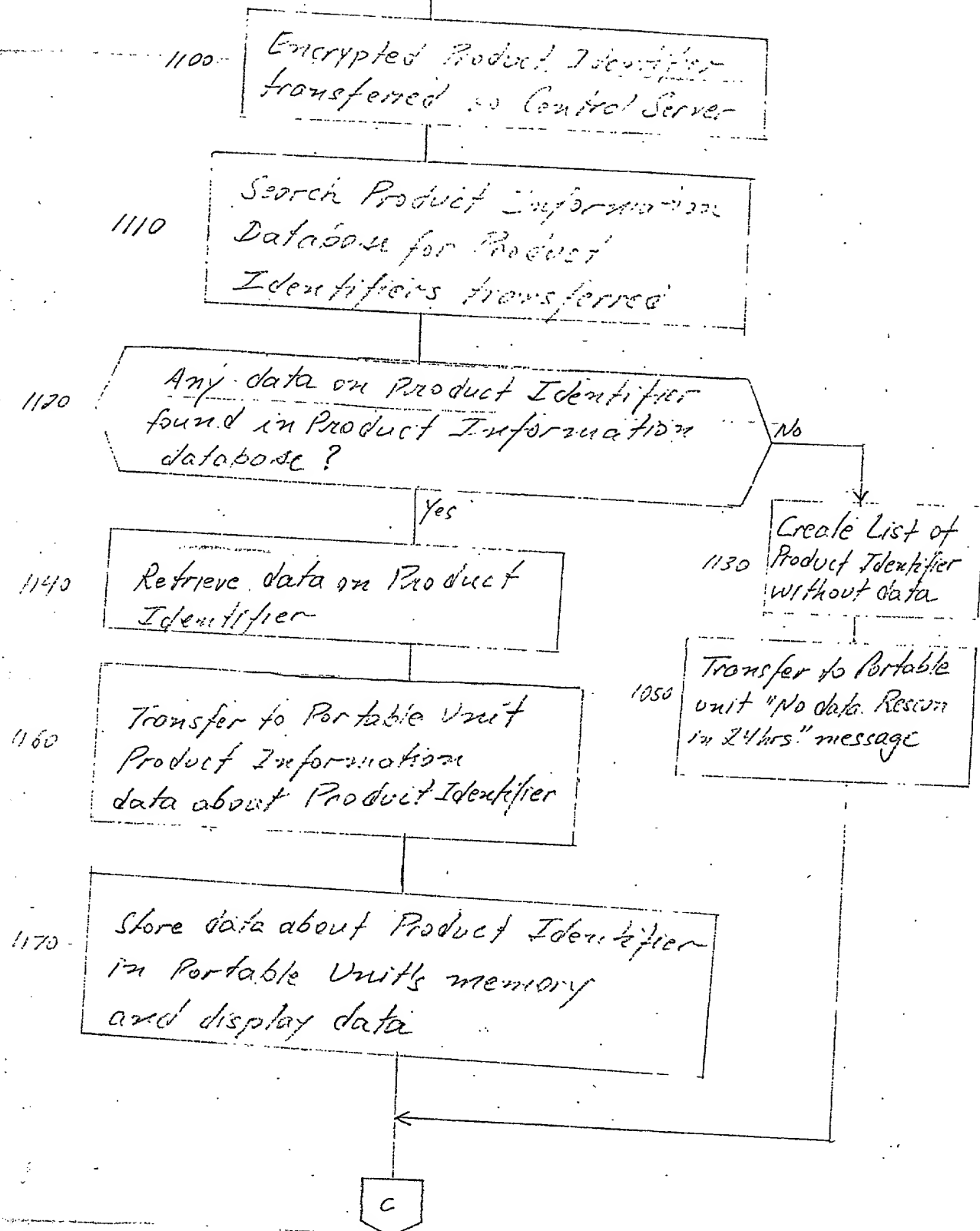
980
Enter
Biological
Variable

FIG. 10

Fig 11A



00000-25000000



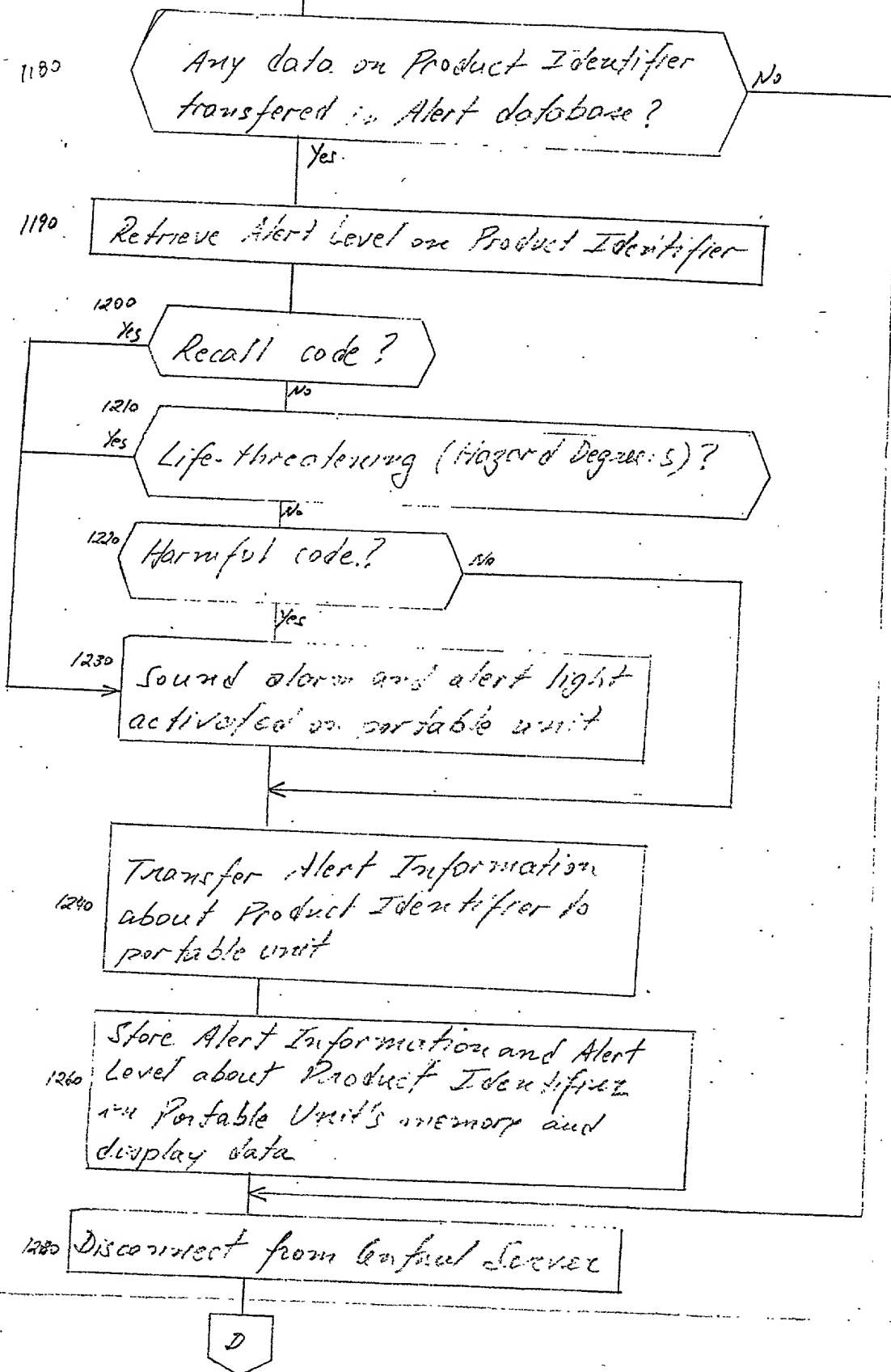


Fig 11D

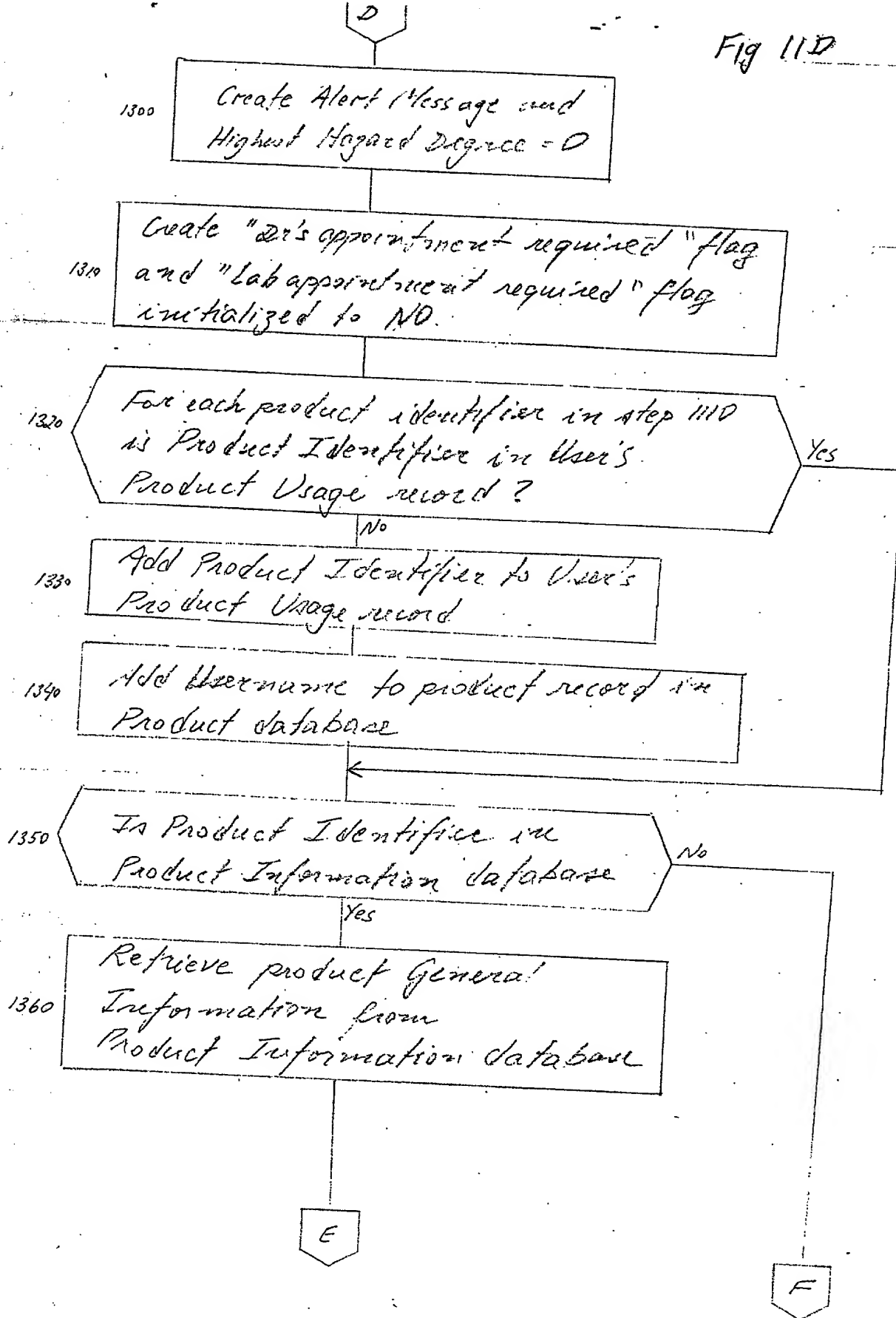
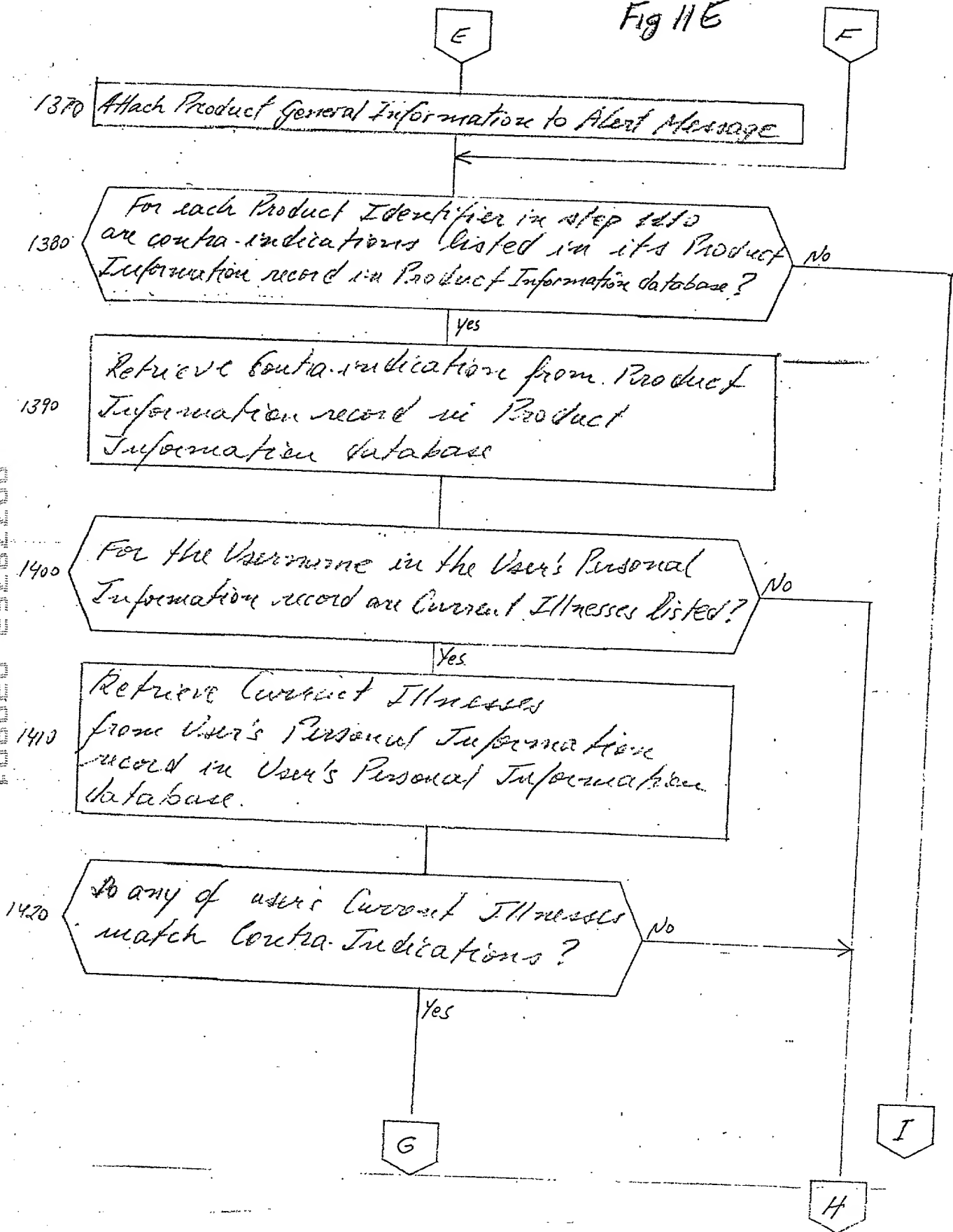


Fig 11E



G

Fig 11F

I

1430

Attach to Alert Message that
product is contra-indicated
for user's Current Illnesses

H

1440

If "Dr's Appointment Required" of
Contra-indication in Product Information
database is Yes then "Dr's Appointment
Required" equals Yes

1450

If "Lab Appointment Required" of
Contra-indication in Product Information
database is Yes then "Lab Appointment
Required" equals Yes

1460

If Hazard Degree of Contra-Indication in
Product Information database is greater than
Highest Hazard Degree then Highest Hazard
degree equals Hazard Degree of Contra-indication

J

K

J

Fig 11G

K

1480

For the Username in the Biological Variables database are biological variables Parameter Sorted?

No

Yes

1490

Retrieve Biological Variables for Username

1500

Based on User's Biological Variables using Disease Association database determine Identified Diseases

1510

Do any of Identified Diseases match Contra-Indications in Product Information database?

No

Yes

1520

Attach to Alert Message that product is contra-indicated for Identified Diseases indicated by user's Biological Variables

1530

Repeat steps 1440 and 1450

1540

If Hazard Degree of Contra-indication in Product Information database is greater than Highest Hazard Degree then Highest Hazard Degree equals Highest Hazard Degree of Contra-indication.

L

2

M

Fig 11F

N

1600

Retrieve Product Interaction Warning Message from Product Interaction field in Product Information database based on Product Identifier from step 1560 and Product Identifier from match at step 1590

1610

Attach to Alert Message Interaction Warning Message

1620

If "Dr's Appointment Required" of Interaction Warning Message equals Yes then "Dr's Appointment Required" equals Yes

1630

If "Lab Appointment Required" of Interaction Warning Message equals Yes then "Lab Appointment Required" equals Yes

1640

If Hazard Degree of Interaction Warning Message is greater than Highest Hazard Degree then Highest Hazard Degree equals Hazard Degree of Interaction Warning Message

O

0

Fig 11 J

1660

Repeat from steps 1560 to 1640
using Alert database instead
of Product Information database

1670

For each Product Identifier in
step 1660 is there a record in
Alert database?

Yes

1680

Based on Product Identifiers at step 1670
using Hazard Degree in Alert Information
field in Alert database determine
highest value

1690

If highest value is greater than Highest
Hazard Degree then Highest Hazard Degree
equals highest value

1700

Retrieve product Alert Information for
Product Identifier from Alert Information
field in Alert database

P

Fig 11K

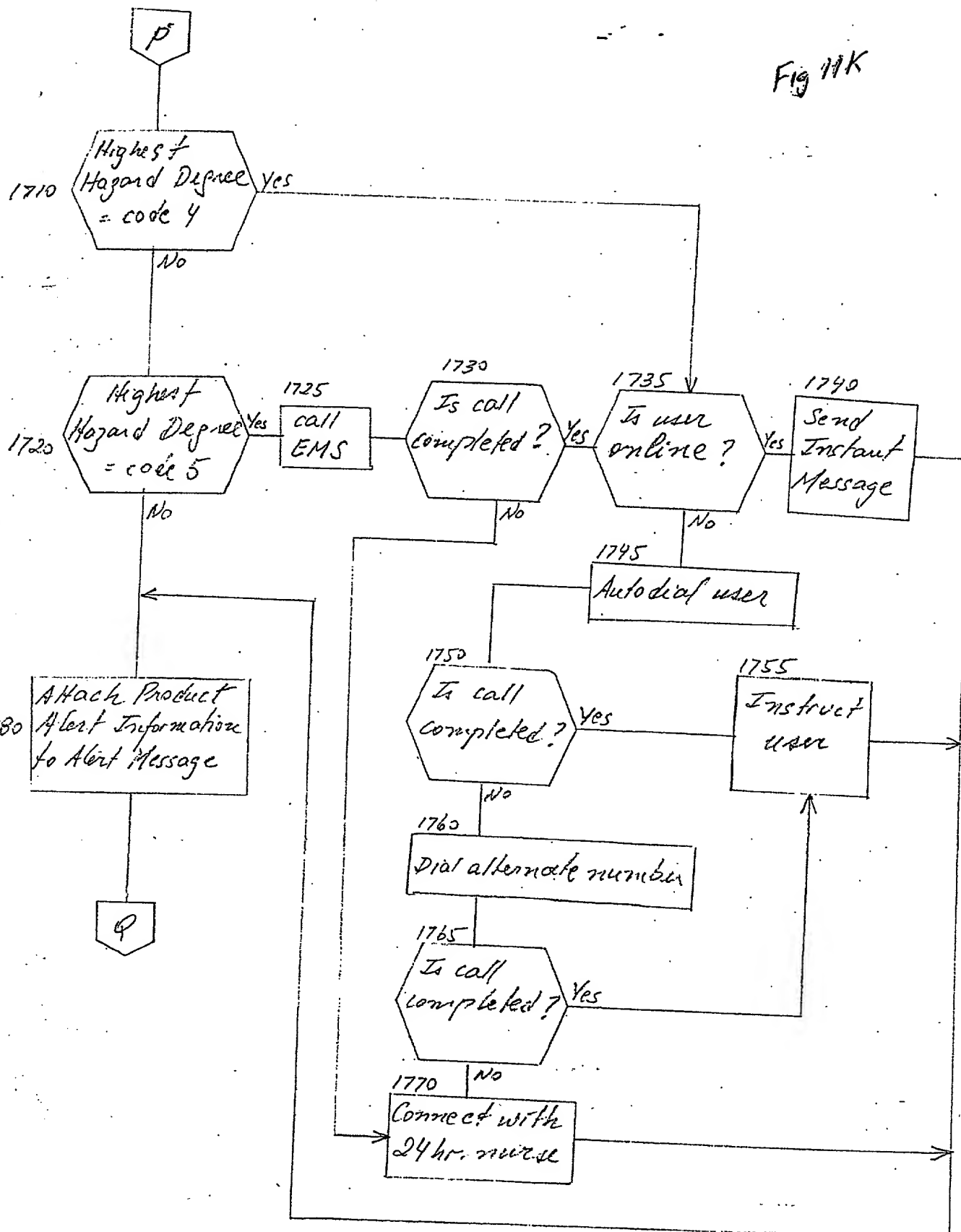
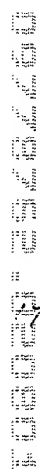


Fig 11.L

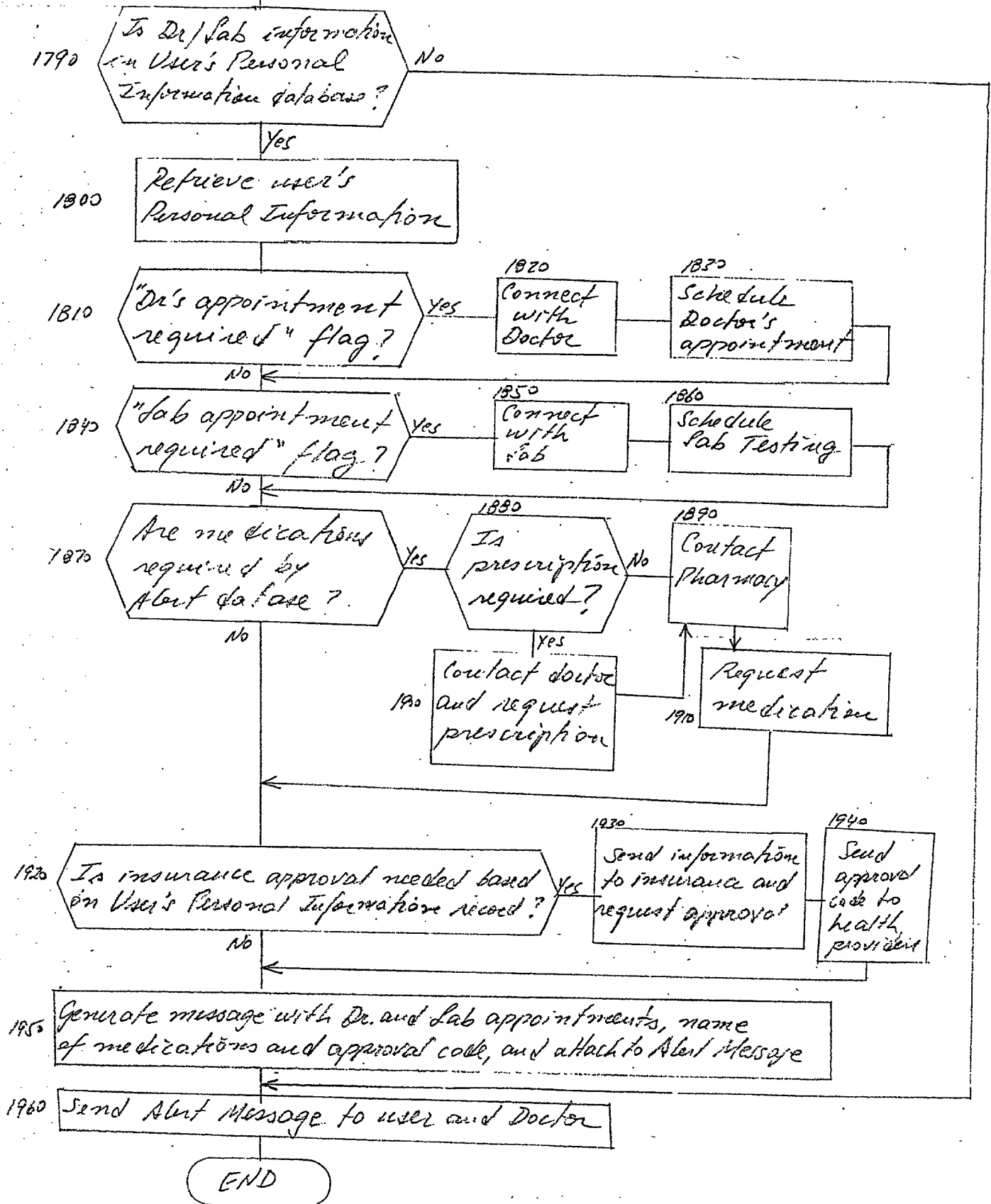


Fig 12A

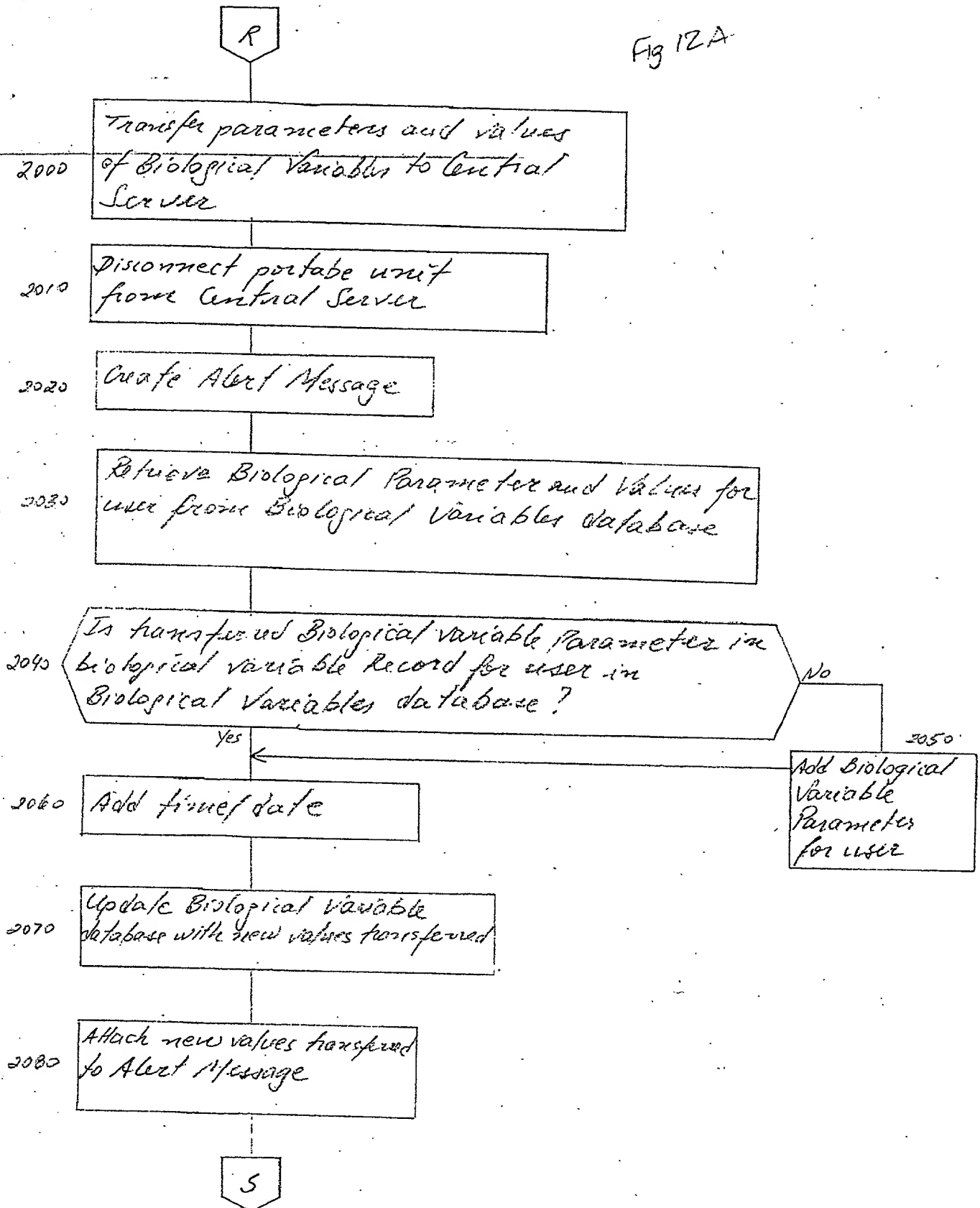


Fig 12B

2090

Retrieve from Personal Information database normal range of Biological variables for user

2100

Are transferred Biological variables within normal range?

Yes

2110

Attach Biological Variable values are normal to Alert Message

No

2120

Retrieve timely monitoring period from User's Personal Information database

2130

Retrieve from Biological Variable database the date the Biological Variable was last transferred

2140

Is today's date minus date of last transferred biological variable less than timely monitoring period?

Yes

2150

Attach Abnormal Value but timely monitored to Alert Message

No

2160

Attach User instruction on timely monitoring to Alert Message

U

V

100000-250000

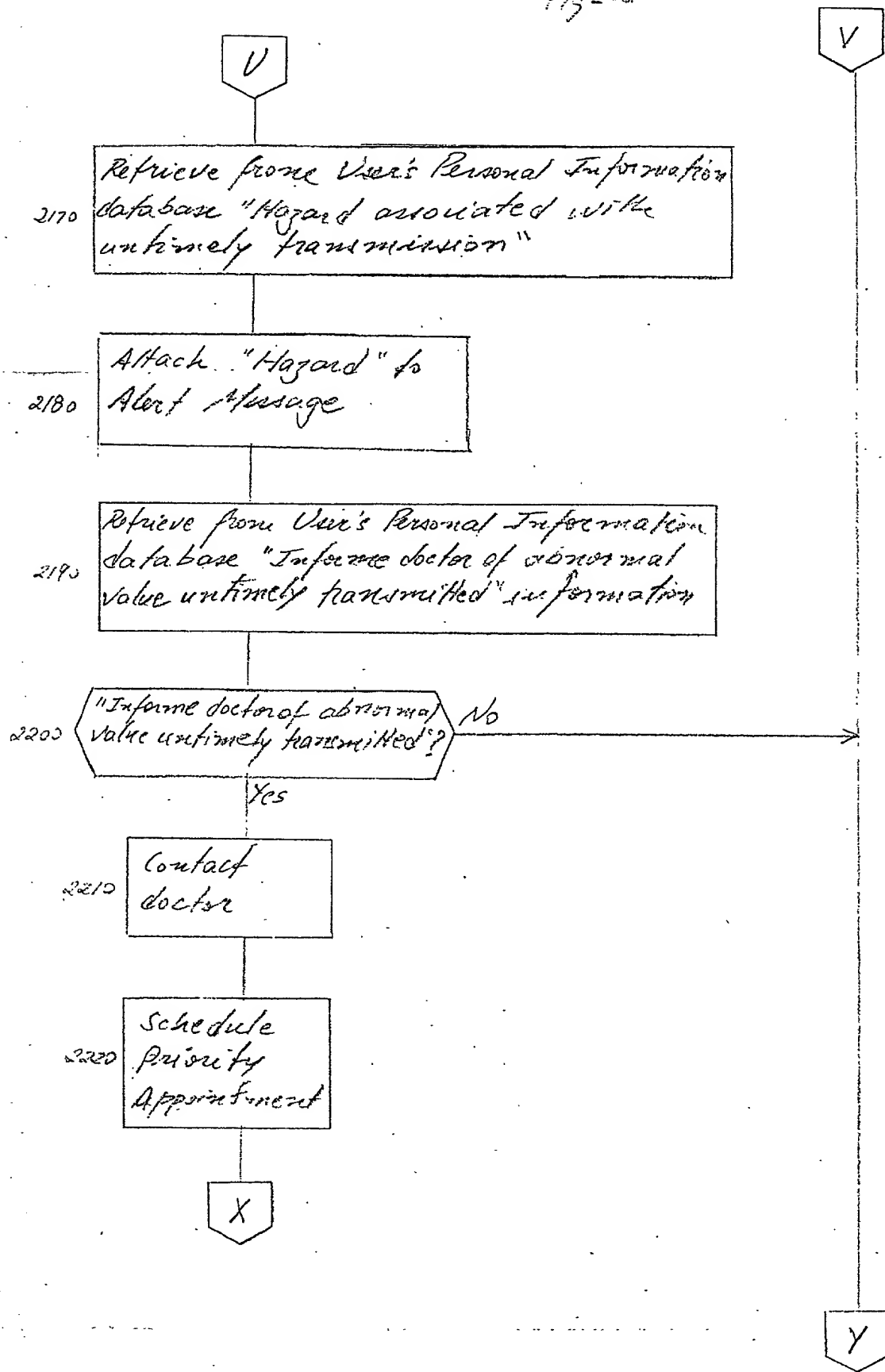


Fig 12D

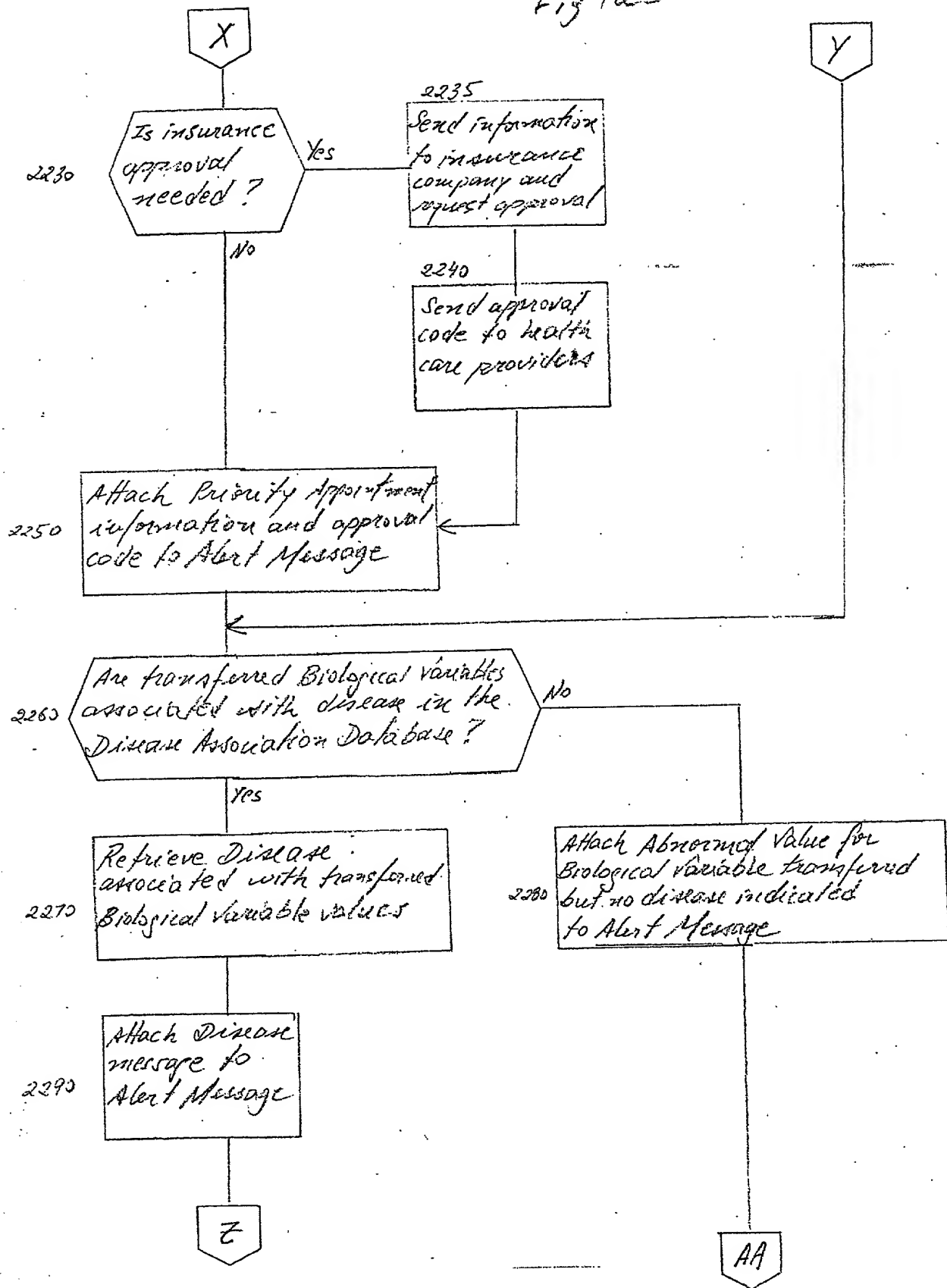


Fig 12E

2300

Retrieve the user's Product Identifiers from the user's Product Usage record in the User's Product Usage database

2310

For Product Identifiers at step 2300 retrieve Contra-Indication from Product Information database

2320

Do any Disease associated with Biological Variable transferred match Contra-Indication in Product Information database associated with Product Identifiers for the user in the User's Product Usage record?

No

Yes

2330

Attach to Alert Message Contra-Indication message associated with Product Identifier in the user's product usage record, and Consult your doctor

2350

Contact doctor and inform about Contra-Indication

2340

Attach "No Contra-Indication found between Product Identifiers and Biological Variables transferred" to Alert Message

2360

Repeat from steps 2300 to 2350 for Alert Database instead of Product Information database

2370

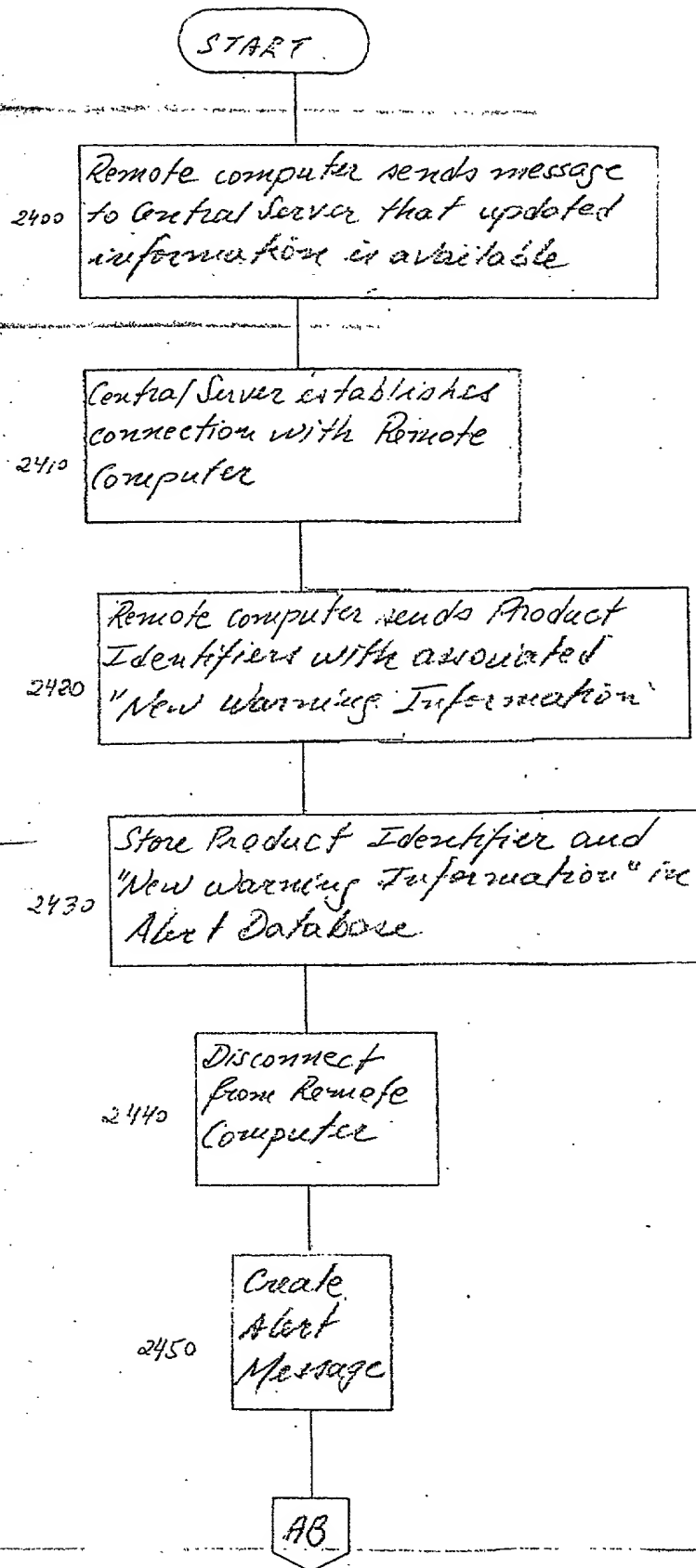
Send Alert Message

END

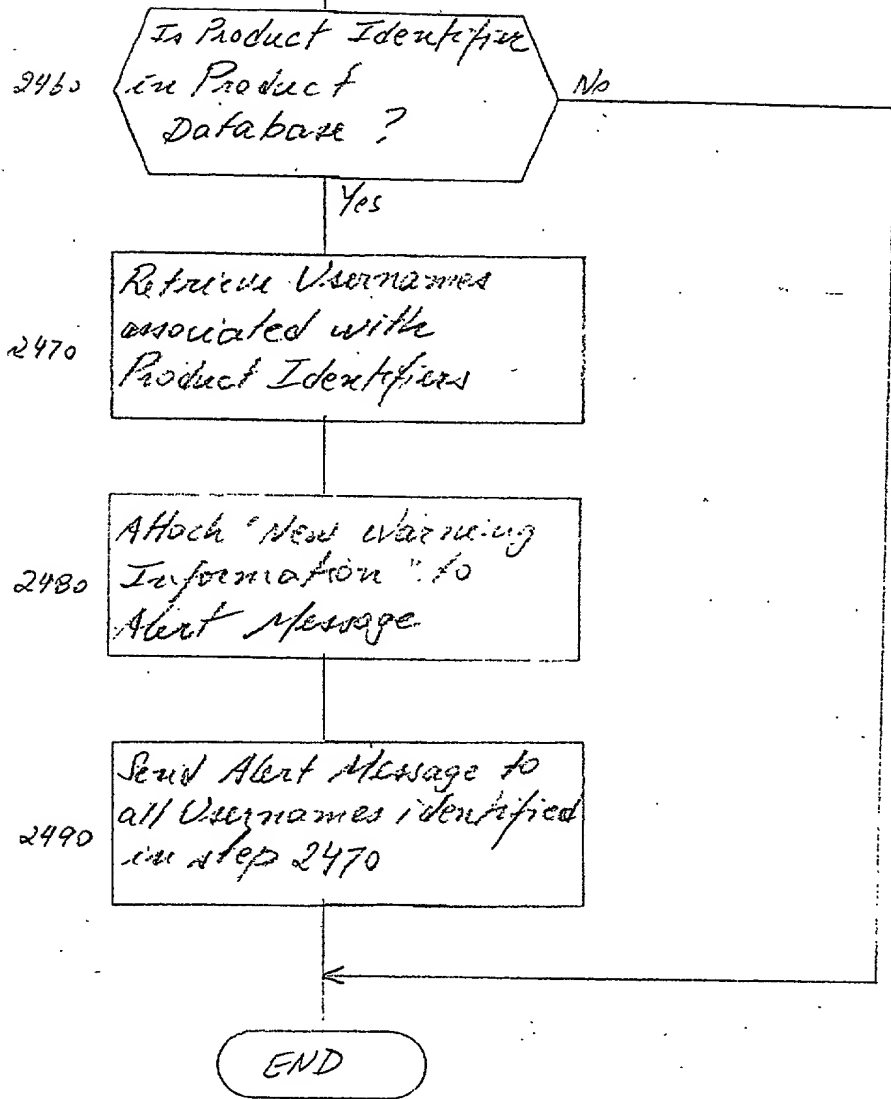
T

AA

Fig 13 A



AB



09778763-000004

Fig 14A

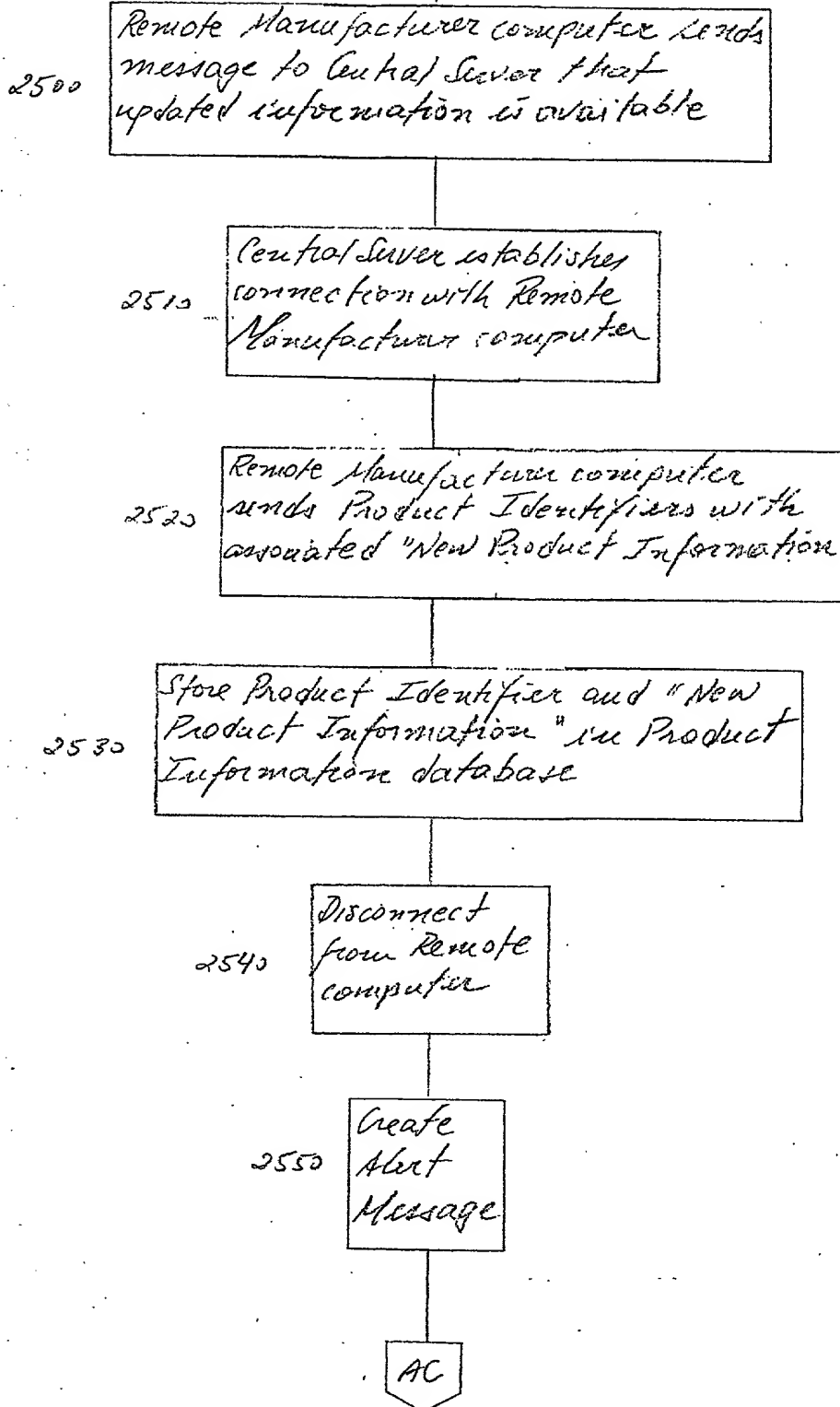


FIG 14B

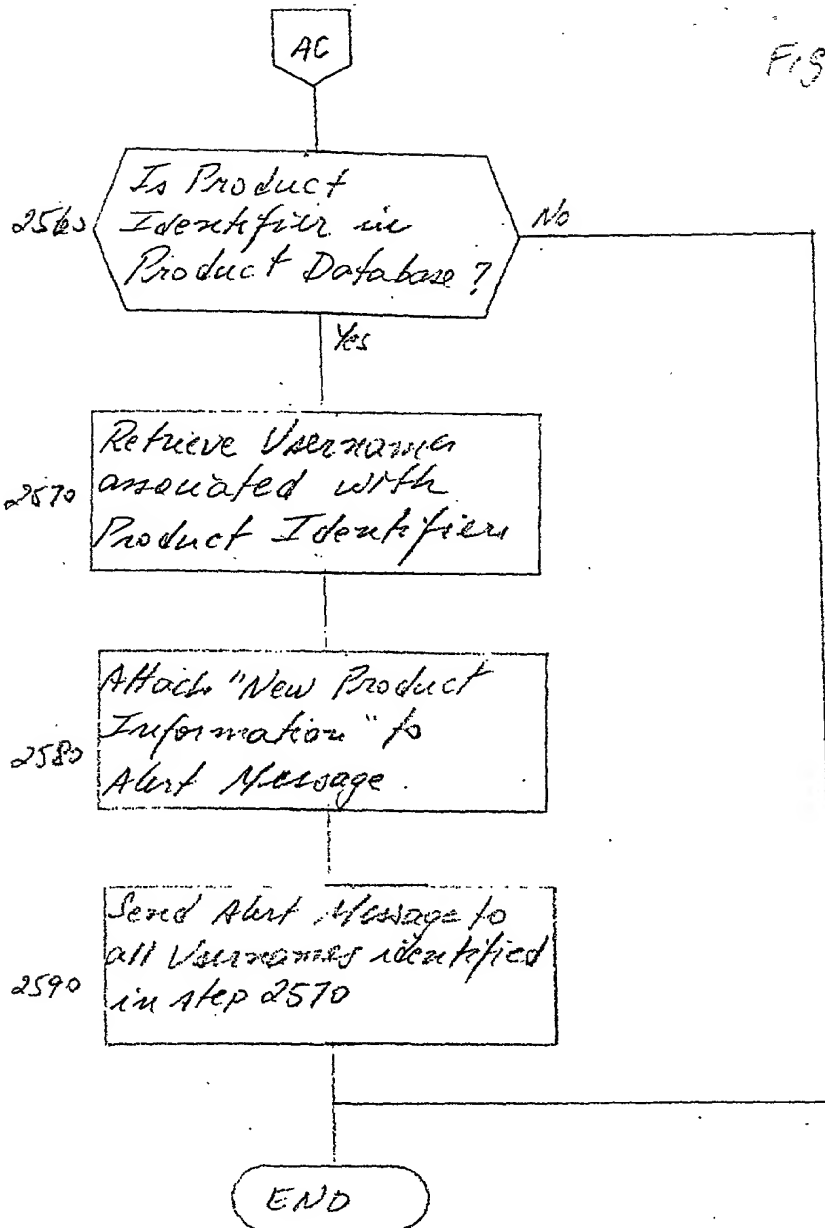


Fig 15 A

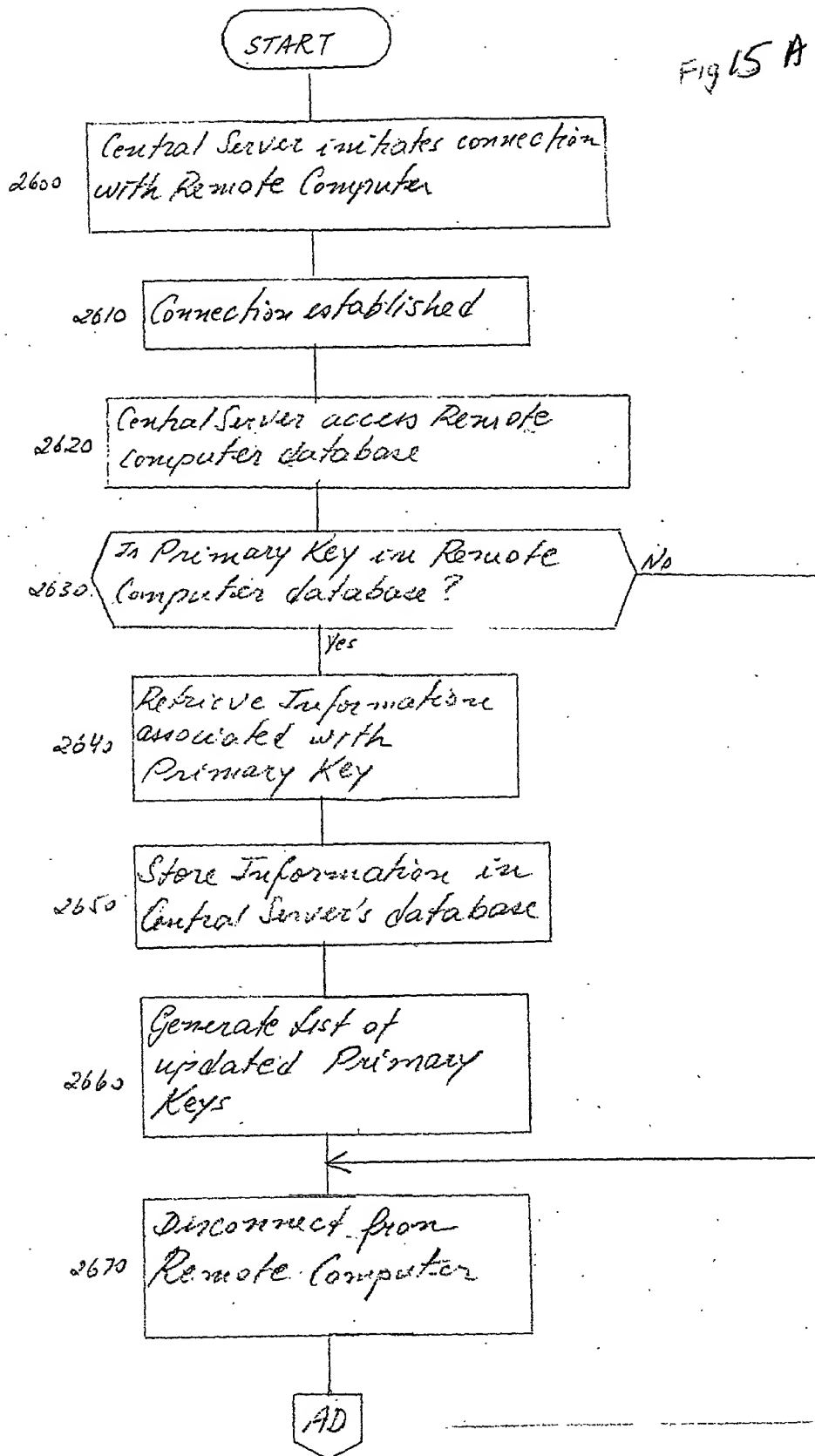


Fig 15B

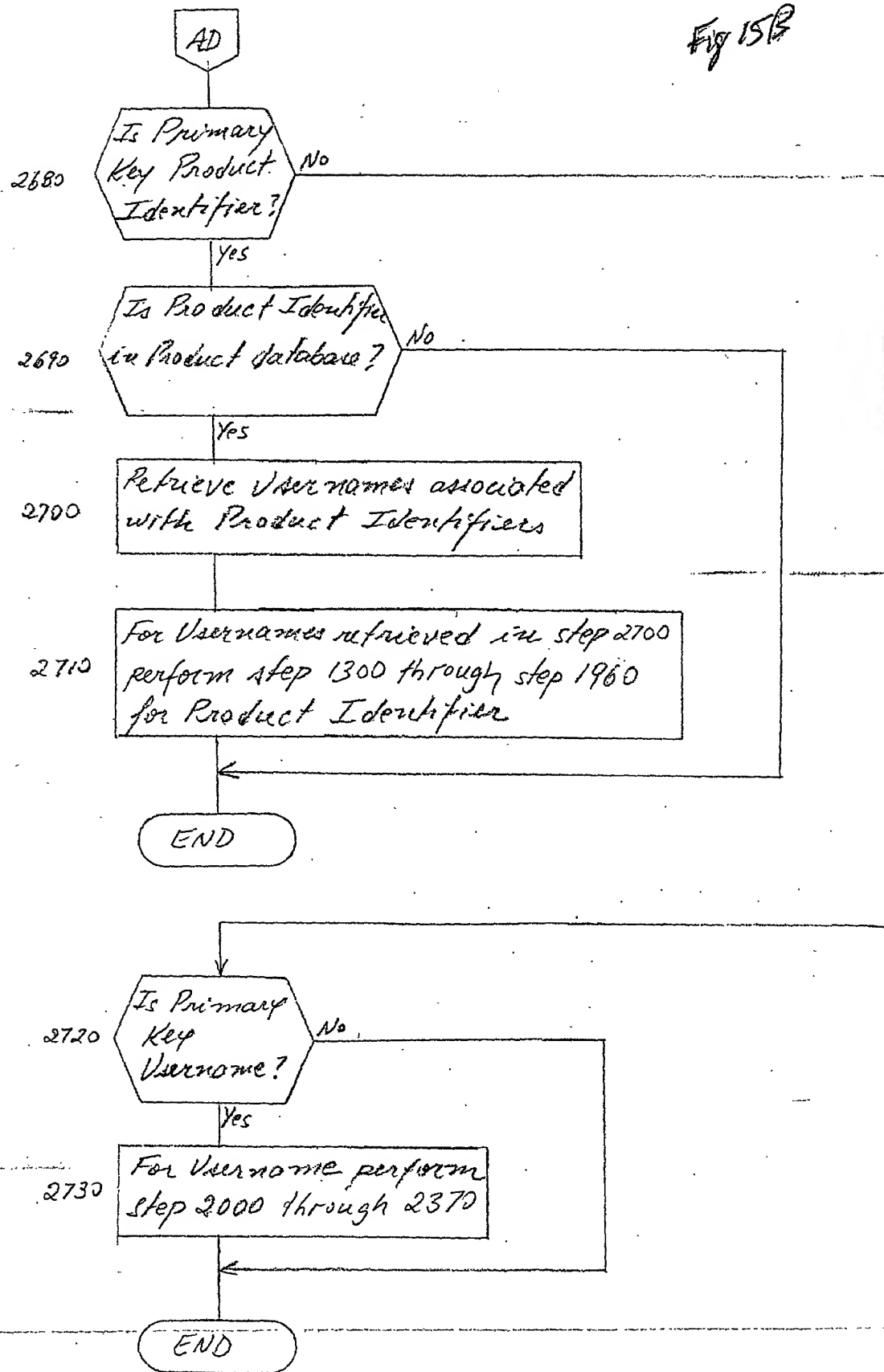
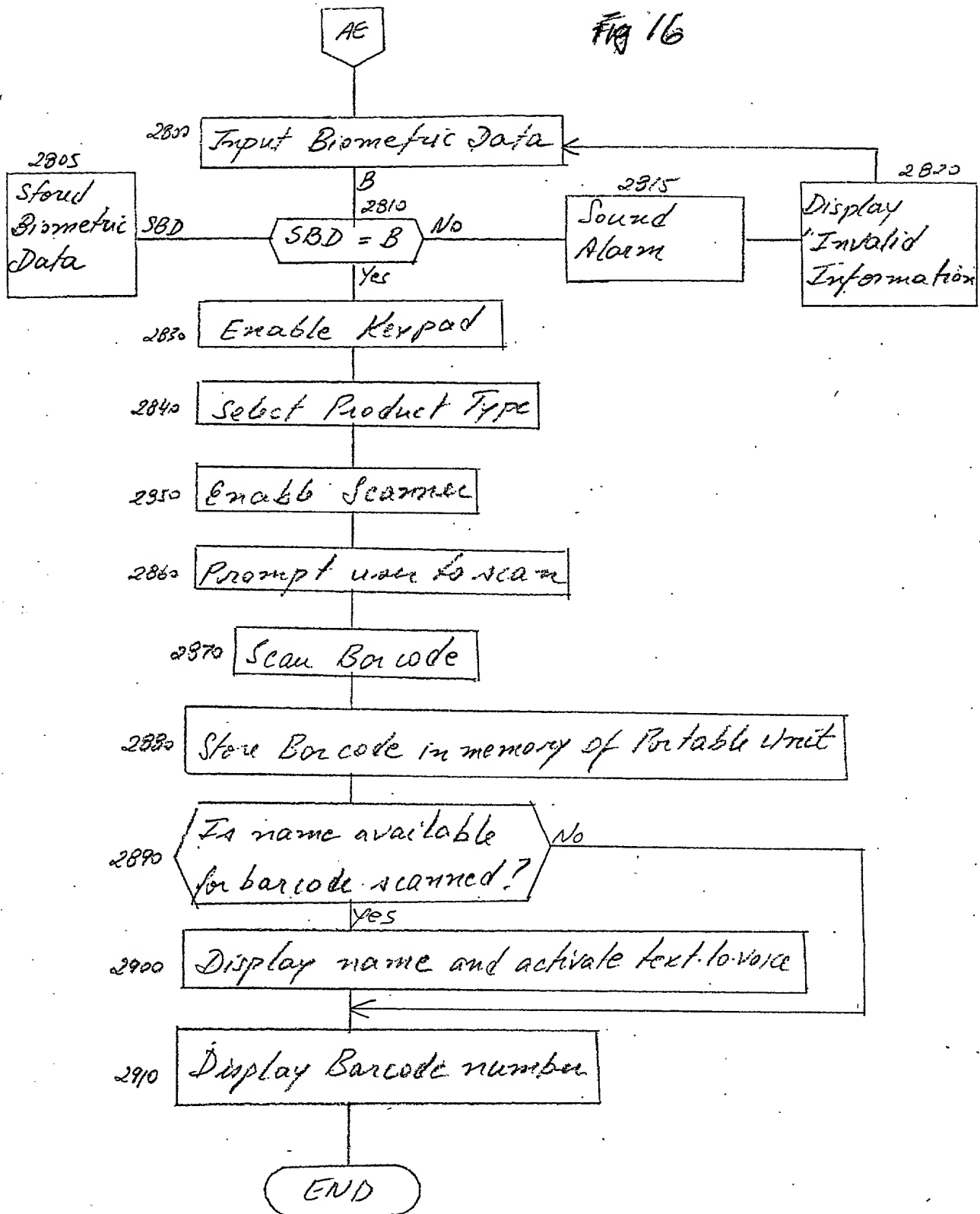


Fig 16



00000-2928260

AF

Fig 17A

3000

User transfer Product Identifier

3010

Central Server
generates
Product Key

3020

Central Server transfer Key
for Server database or
Chat Rooms to user
of Product Identifier

3030

User's computer
stores Key

3040

User's computer
access Product Chat
Room or database

END

09778752-020004

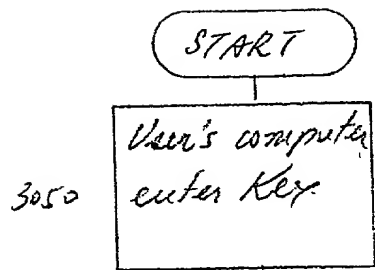


FIG 17B

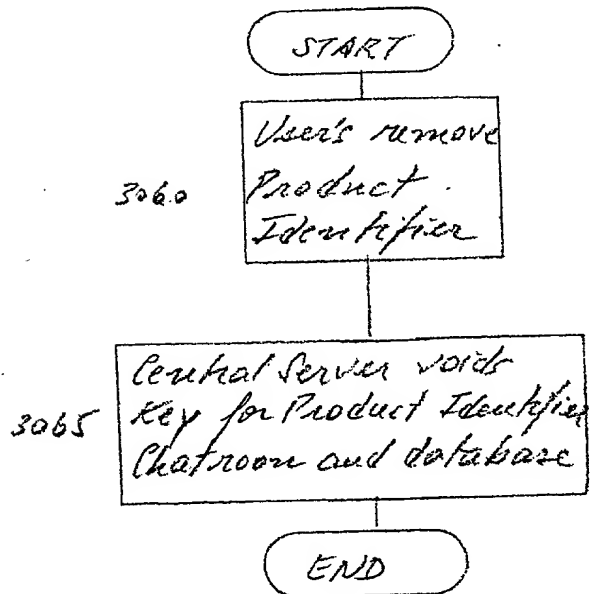


Fig. 17C

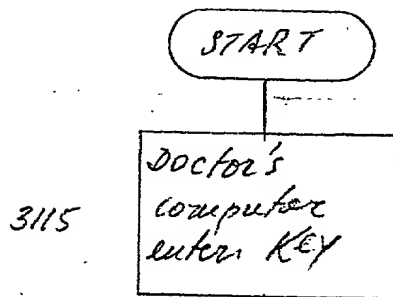


Fig. 18B

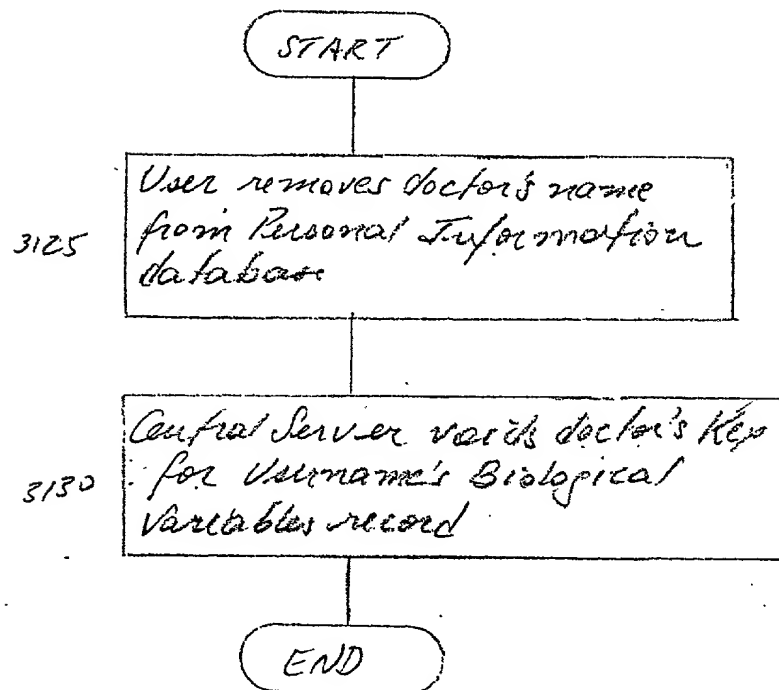


Fig. 18C

Fig 19A

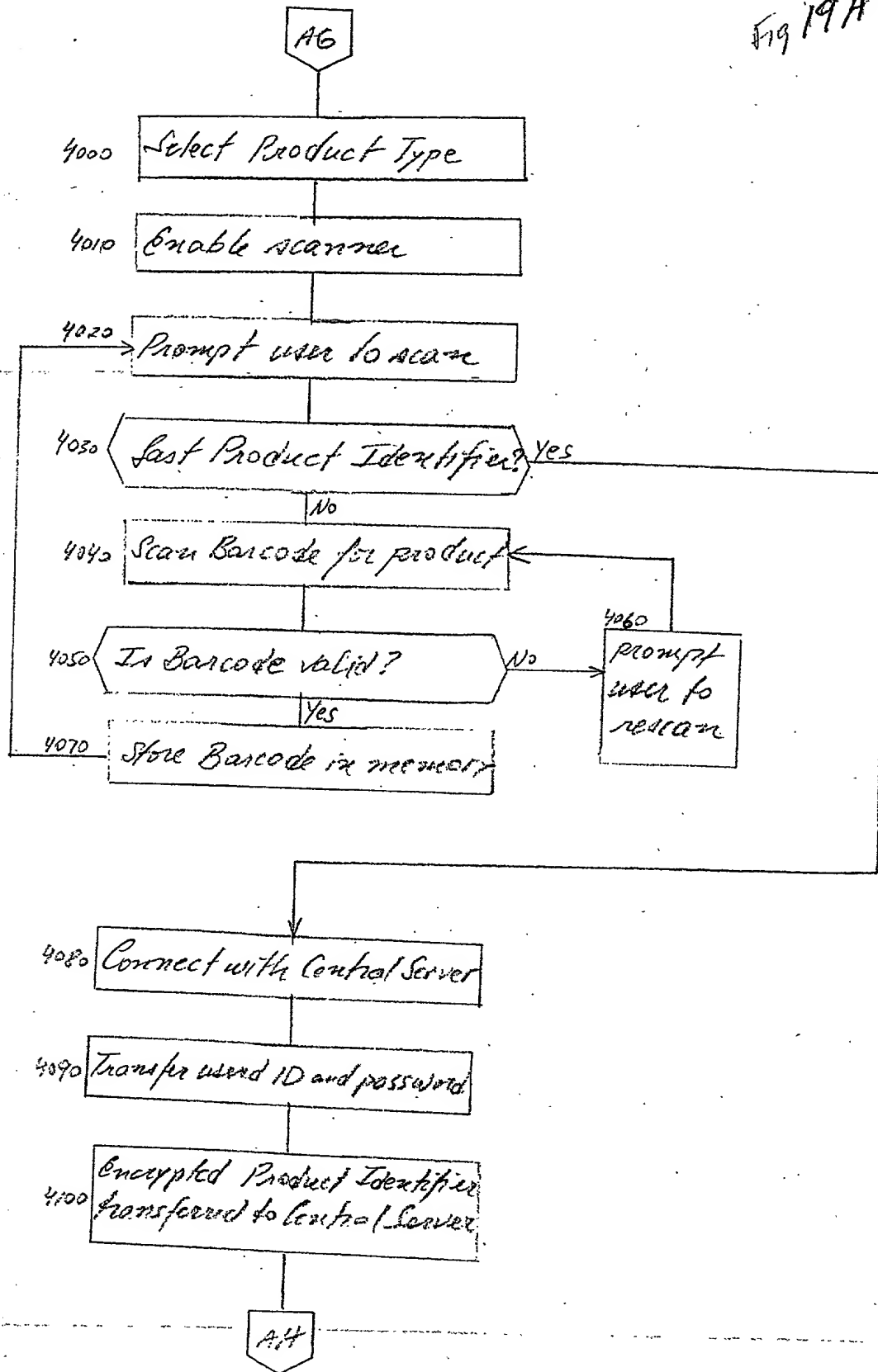
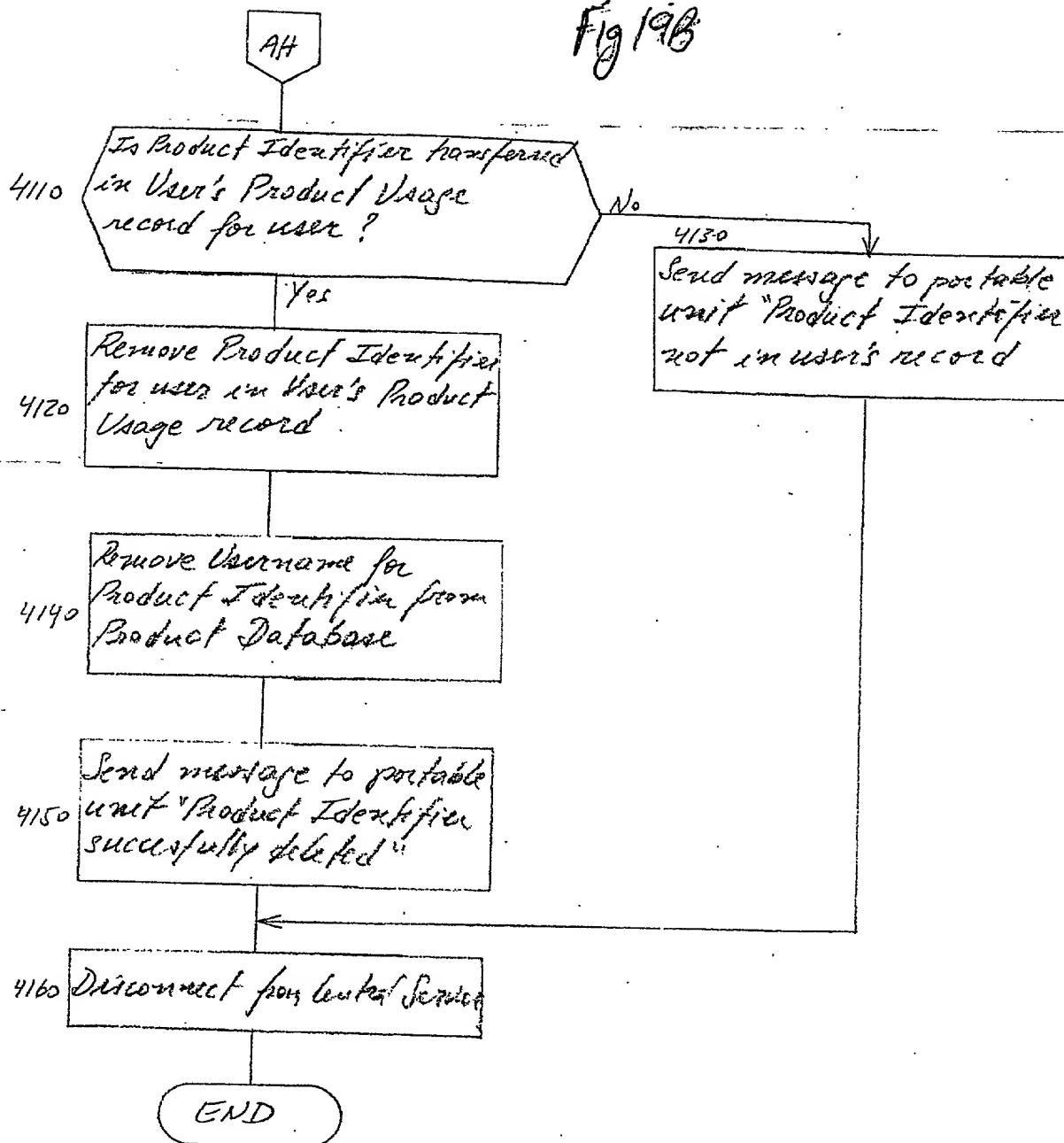
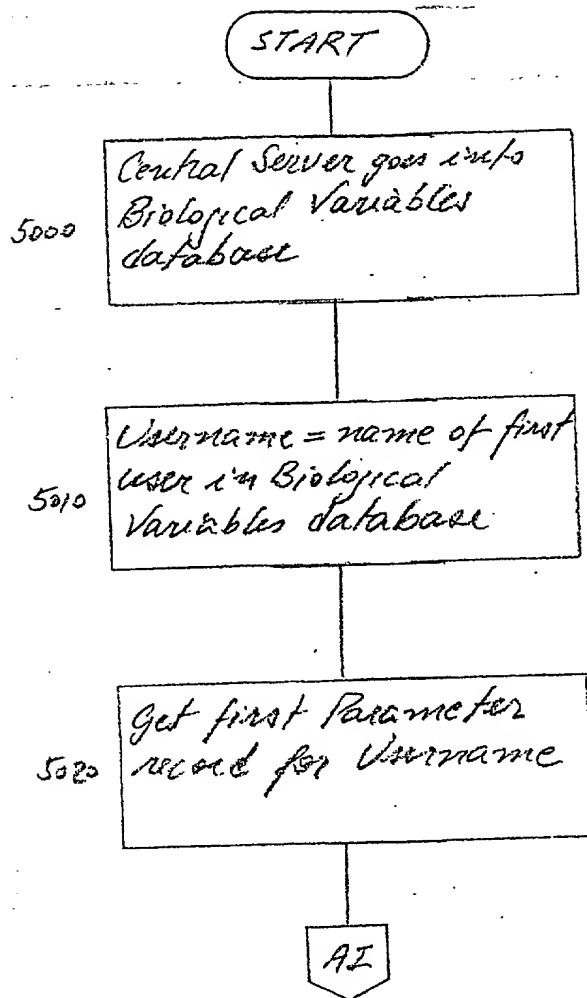


Fig 19B



007763.00004
100000.23000000

Fig 20A



AI

5055

Send Message to user "Most recent Biological variable value is more than 1 year old"

Fig 20B

5030 From Parameter record get first value and time/date

5040 Is today's time/date minus time/date greater than one year?

Yes

5050 Is value last value in Parameter record?

Yes

No

5060 Remove value and time/date from Parameter record

5070 From Parameter record get next value and time/date

5080 Is Parameter record the last Parameter record for Username?

Yes

No

5090 Get next Parameter record for Username

5100 Is Username last user in Biological Variables database?

Yes

No

5110 Username = name of next user in Biological Variables database

5120 Go to step 5020

END

00000-2525260

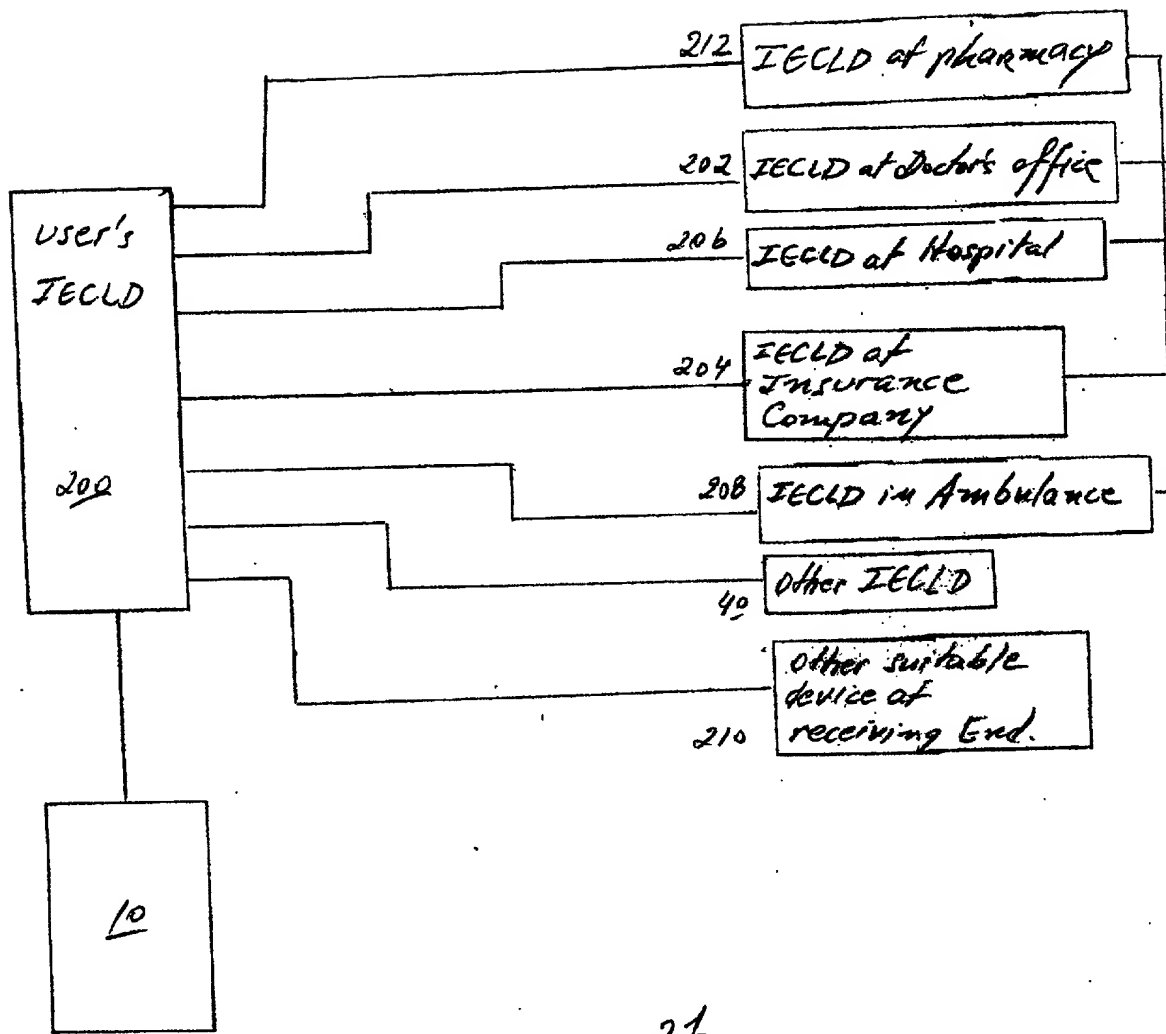


Fig 21